E-LOCK CREW,DRIVER,5.75

CATALOG NUMBER

TELH01



Vehicle Model	Bed Length	Cab Size	Battery Location	Compatible Topper
Ford Maverick	4.5	Crew	Driver	Hatch / Barn
Ford Ranger	5	Crew	Driver	Hatch / Barn
RAM 1500 (MY25+)	5.6 (67")	Crew	Driver	Hatch / Barn
Silverado 1500	5.75	Crew	Passenger	Hatch

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**

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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.

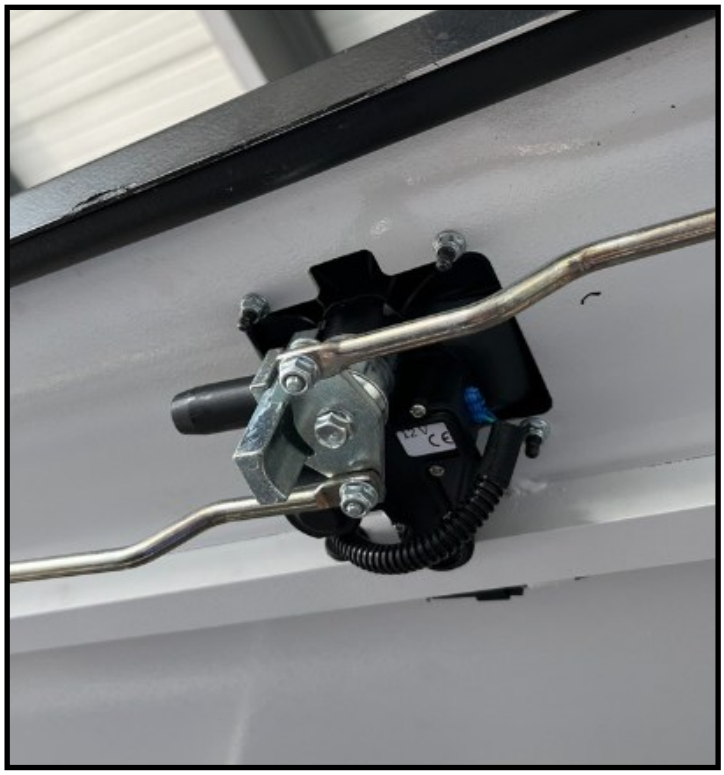




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Adrian Cap Harness Installation Instructions 23

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

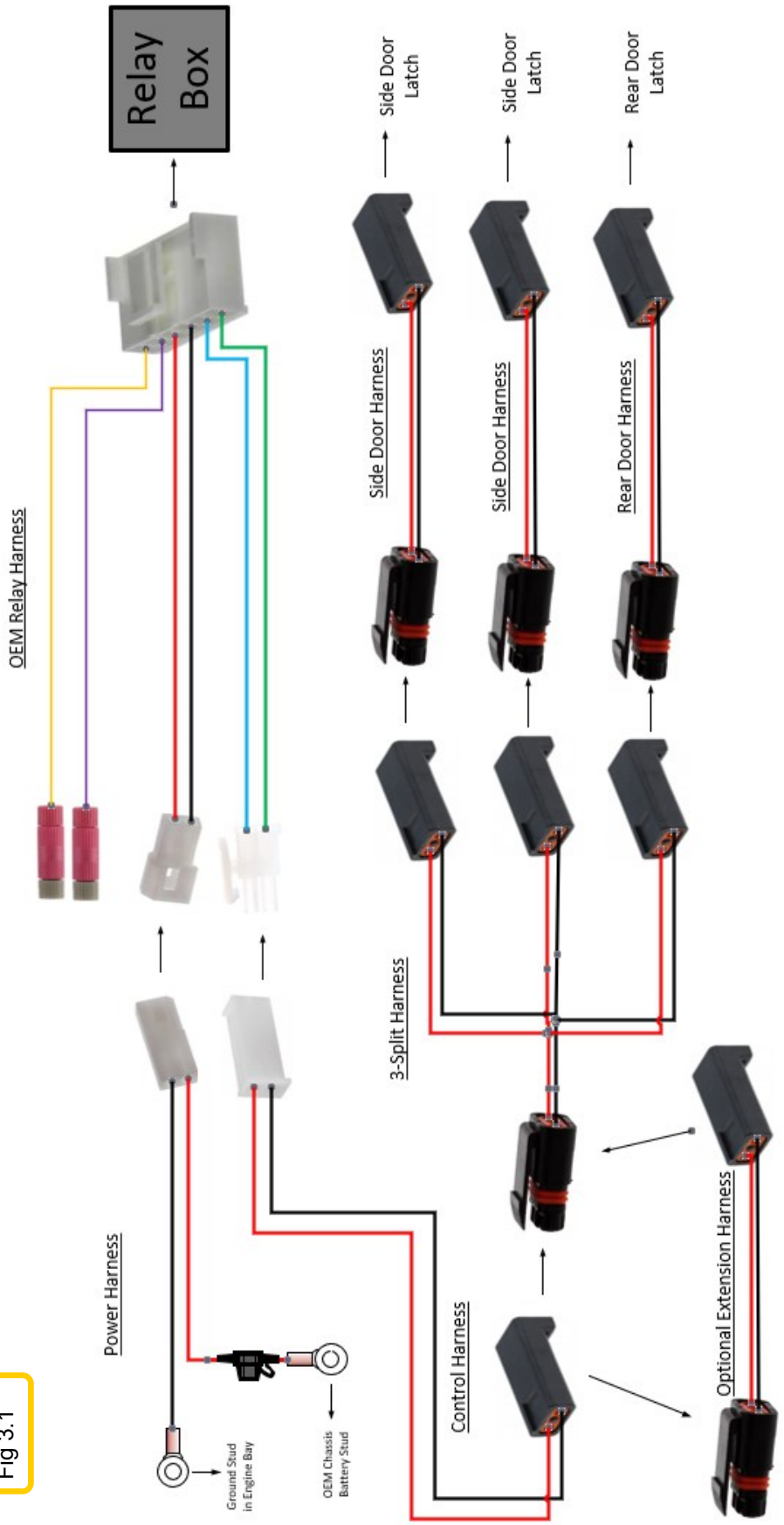


Fig 3.1

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

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

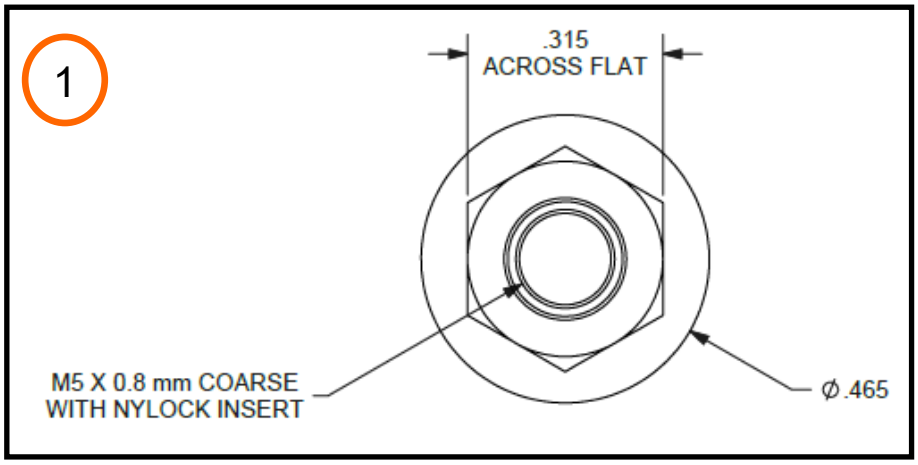


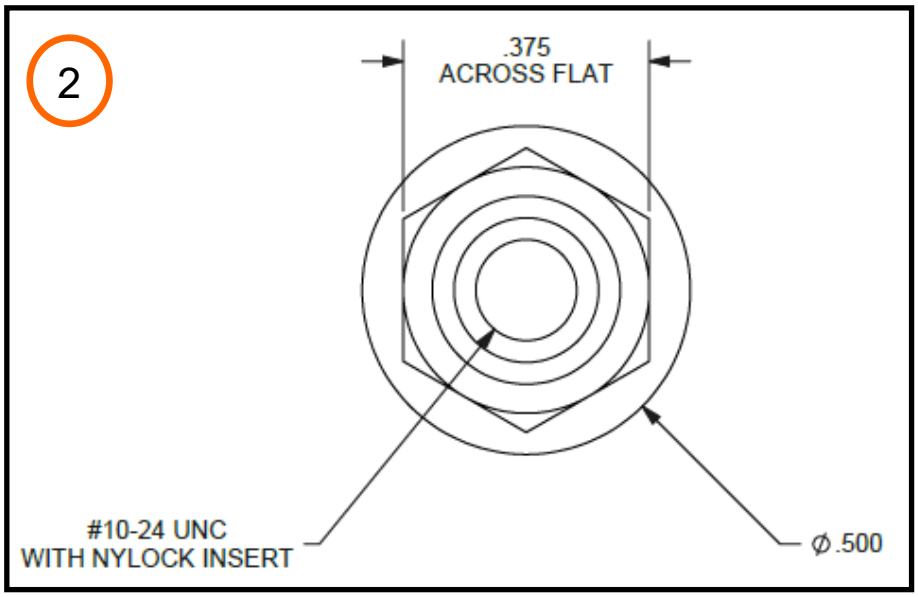
	Part #	Description
1	74340	ALLEGIS T-HANDLE E-LATCH
2	74341	E-LATCH OEM RELAY HARNESS
3	74342	E-LOCK PWR - DRIVER HARN
4	74343	E-LOCK PWR - PASS HARN
5	74344	E-LOCK CONTROL-CREW HARN
6	74345	E-LOCK CONTROL-REG HARN
7	74346	E-LOCK TPPR 3SPLT 8' HARN
8	74347	E-LOCK TPPR 3SPLT 6.75'
9	74348	E-LOCK TPPR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

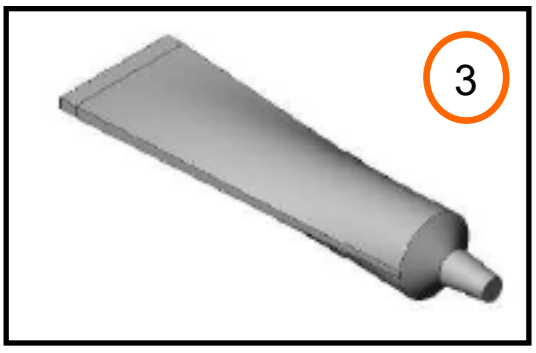
Harness pictures are for reference only.
Please reference the vehicle being upfit and pg. 4 to confirm which components are required for the install.

Fastener Bag Parts

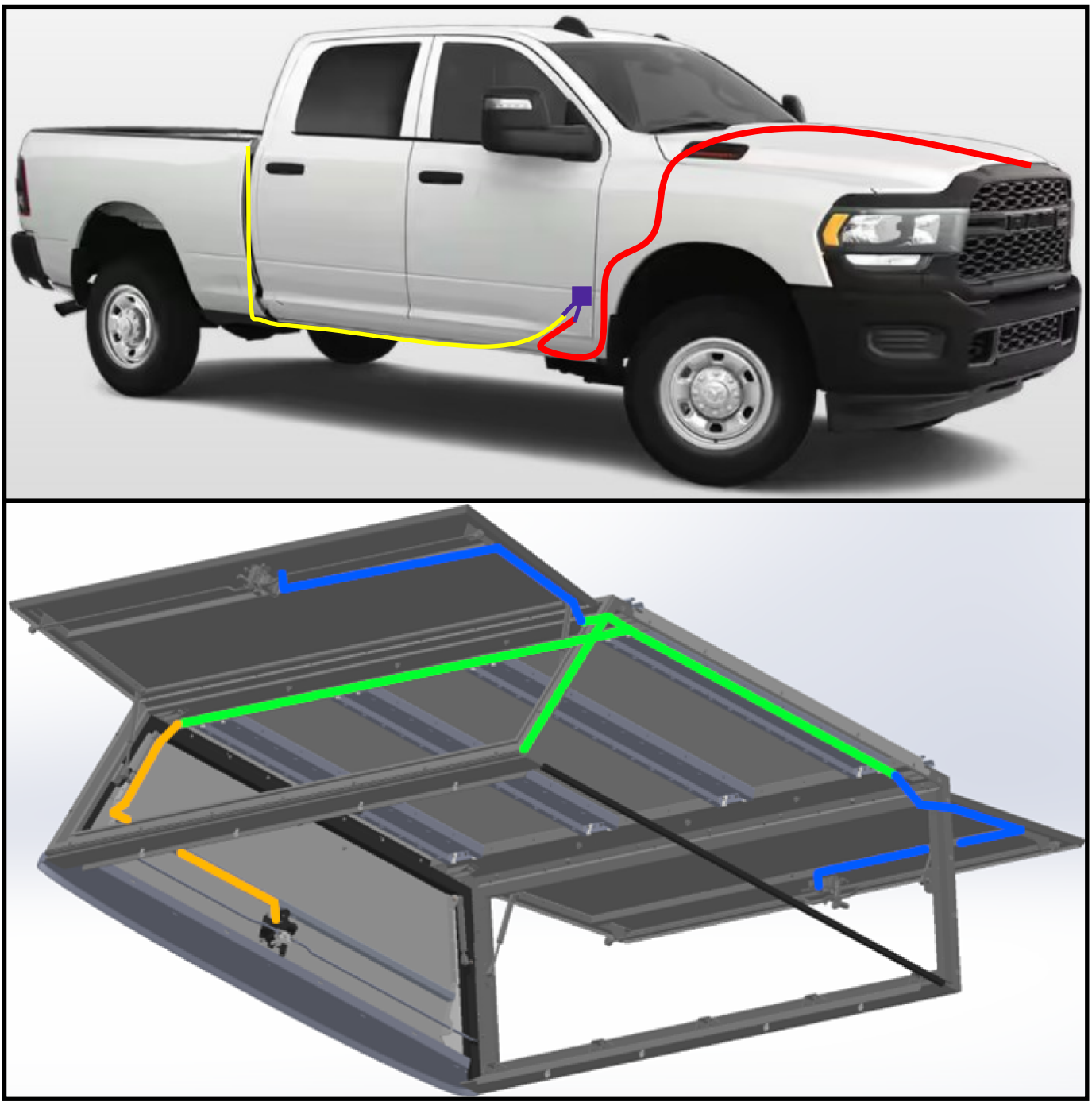
QTY	Part #	Description
12	FAS0917	NUT,HEX NLK FLG M5 X 0.8 ZP
6	FAS0918	NUT,HEX NLK FLG 10-24 ZP
1	26618-0	Silicone Sealant







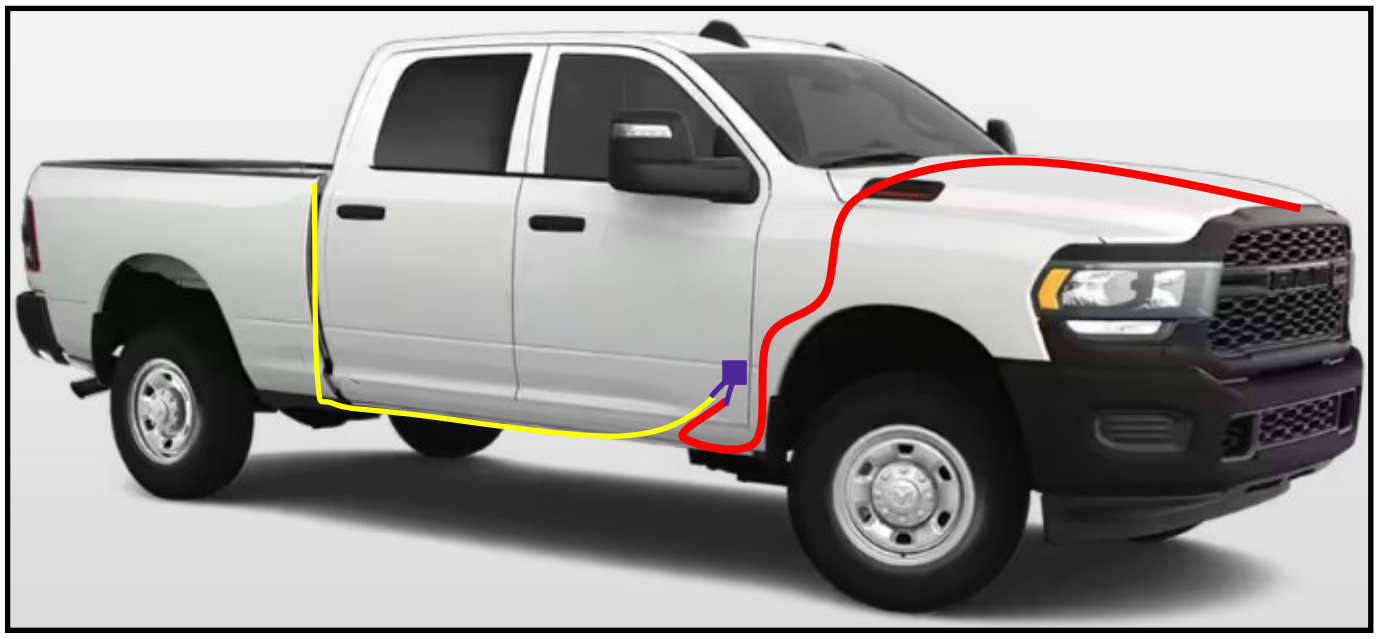
Routing Overview

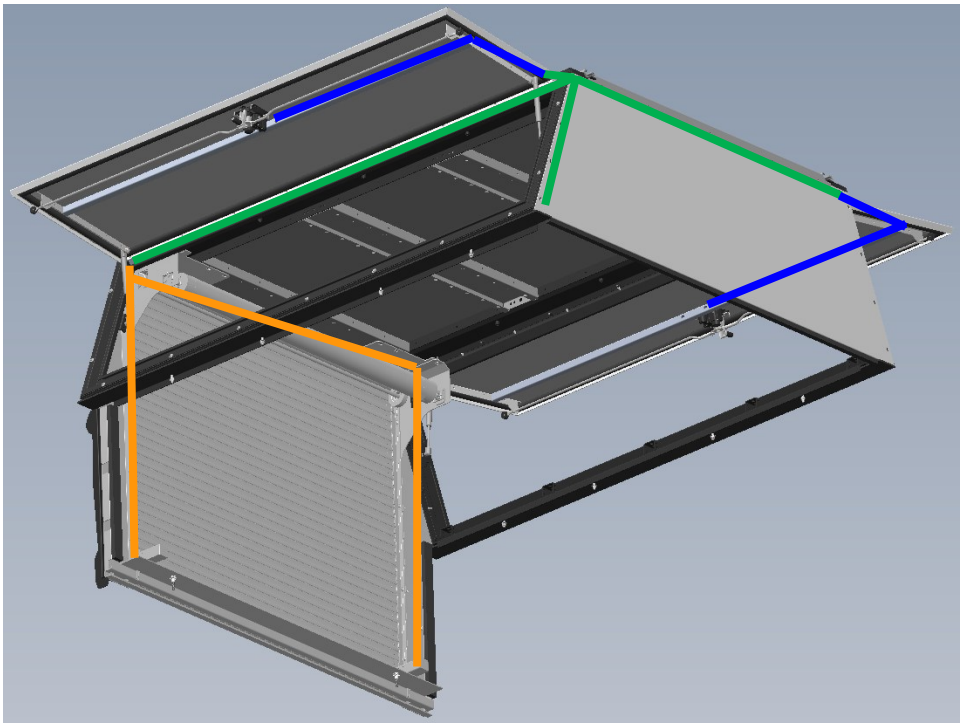


2024 RAM 2500 with Crew Cab and 6.75’ Bed shown. All installs route along the same path except for Silverado ICE and Hybrid which is mirrored.

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

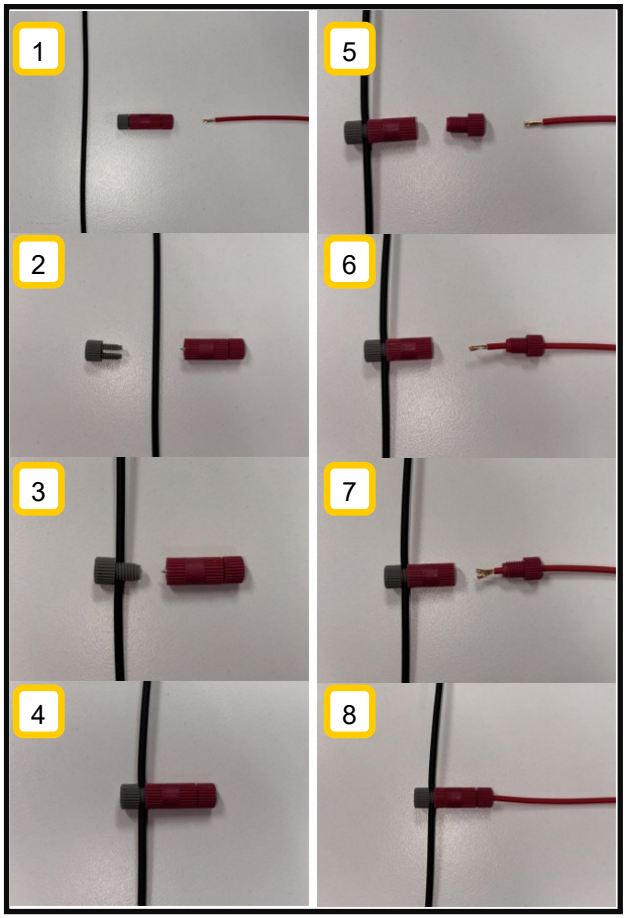




RED	74342 E-LOCK PWR - DRIVER HARN (Driver Side Position Shown)
PURPLE	74341 E-LATCH OEM RELAY HARNESS (located in the front passenger foot well)
YELLOW	74344 E-LOCK CONTROL-CREW HARN
GREEN	74347 E-LOCK TPPR 3SPLT 6.75'
BLUE	74349 E-LOCK TPPR SIDE DOOR HARN
ORANGE	80768 E-LOCK ROLL-UP DOOR REAR HARN

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

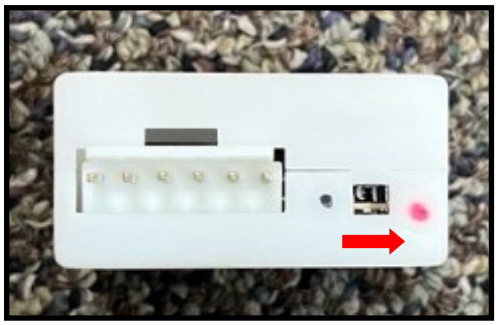
Twist the cap back onto the Posi-Tap with the tapping wire secured. Be sure of secure connection.

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.

Fig 12.1

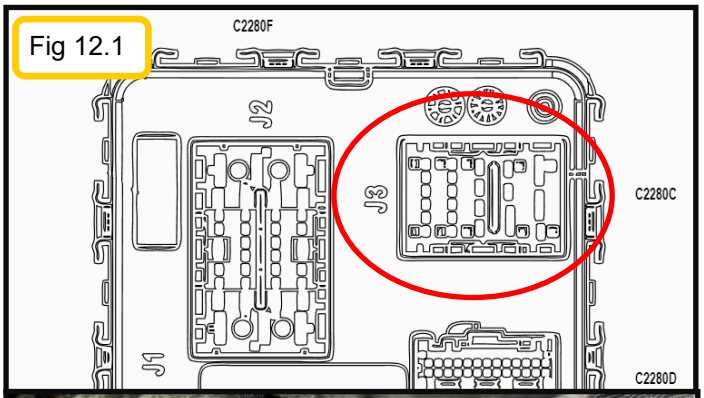


Fig 12.2



Fig 12.3

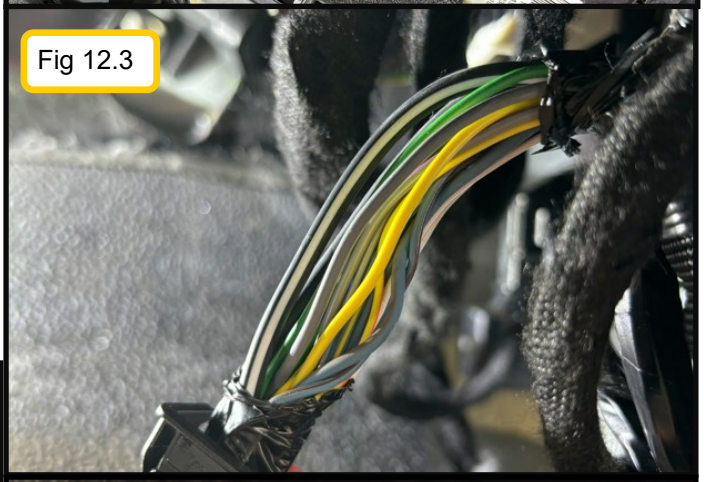


Fig 12.4

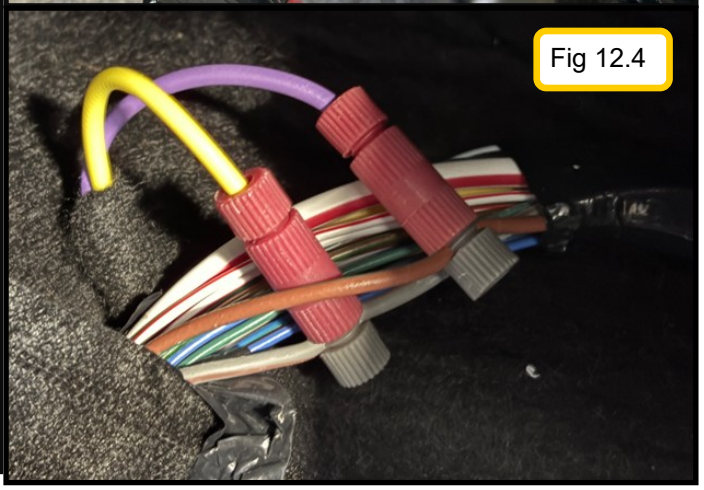


Fig 12.5



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)

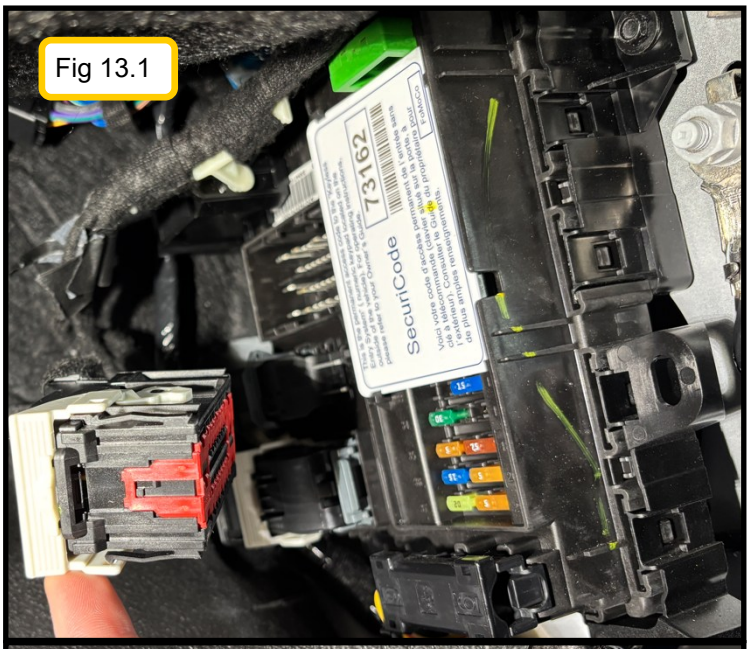
Lightning
74341 Yellow -> OEM Brown / Green Stripe
74341 Purple -> OEM Gray / Brown Stripe

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.

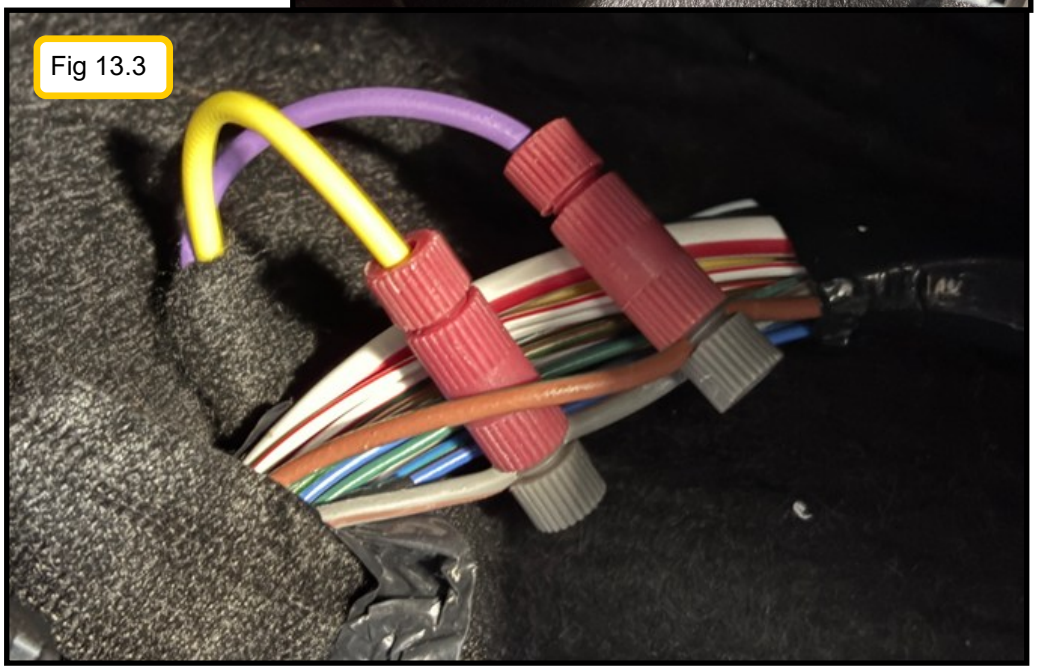
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.

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)

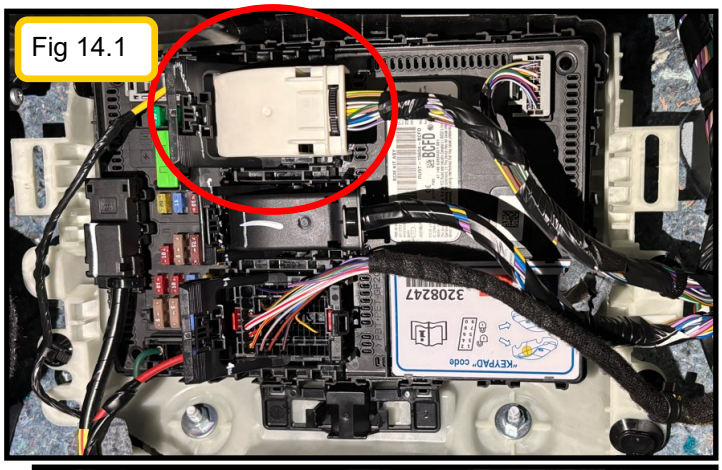
Maverick ICE & Hybrid
74341 Yellow -> OEM Brown / Green Stripe
74341 Purple -> OEM Gray / Brown Stripe

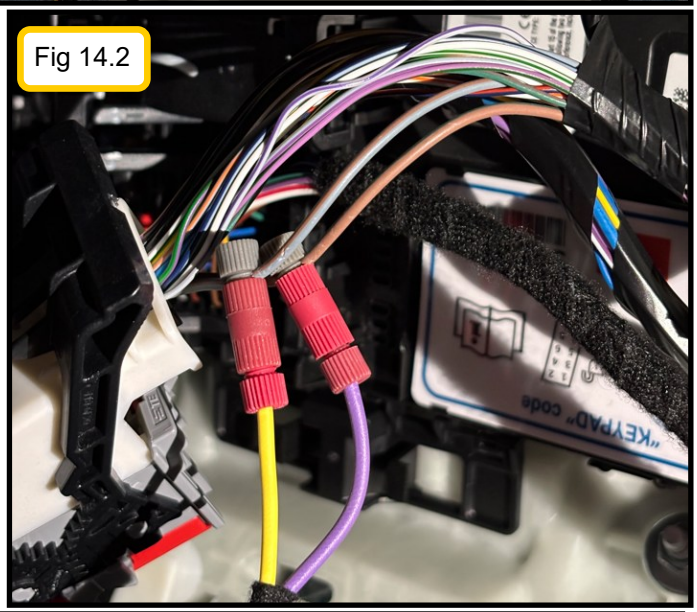
6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.

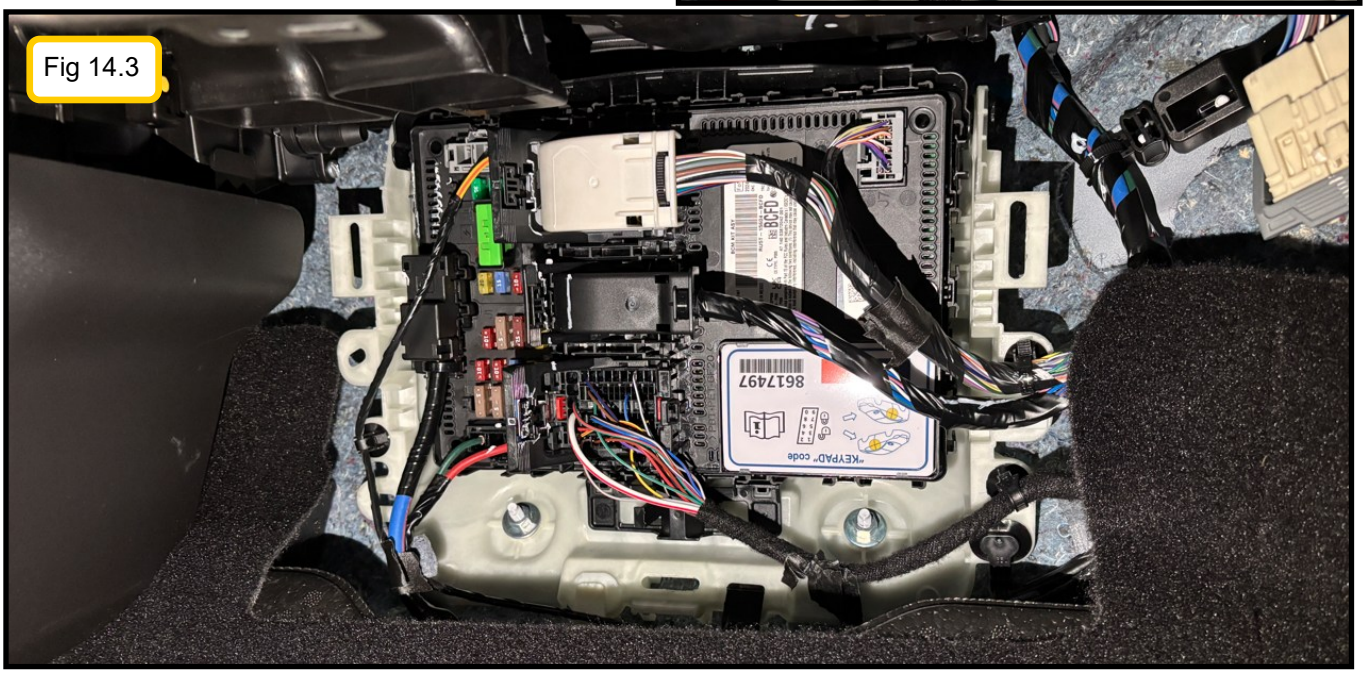
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.

8. Secure the harness and relay module to the OEM harnesses.

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


Fig 14.1


Fig 14.2


Fig 14.3

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)

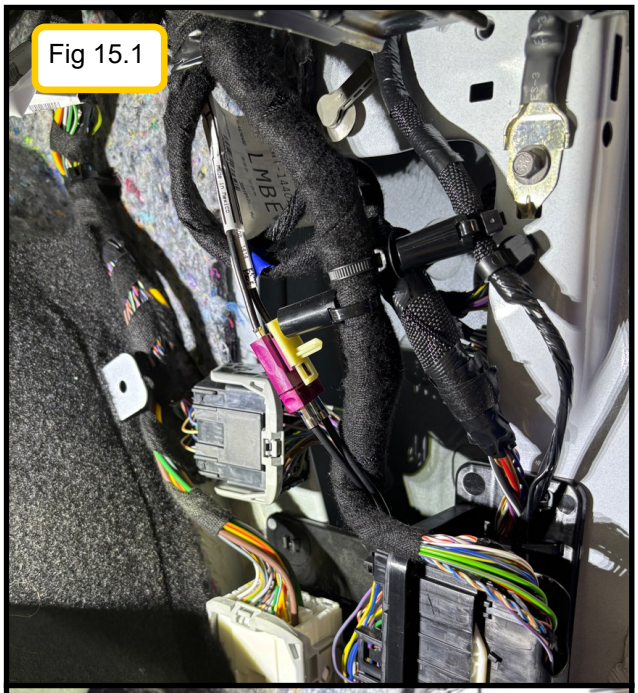
Ranger
74341 Yellow -> OEM Brown / Green Stripe
74341 Purple -> OEM Gray / Brown Stripe

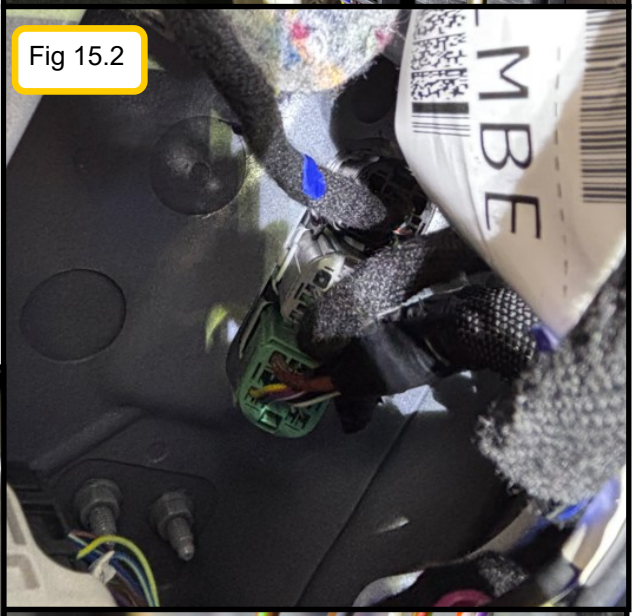
6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.

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

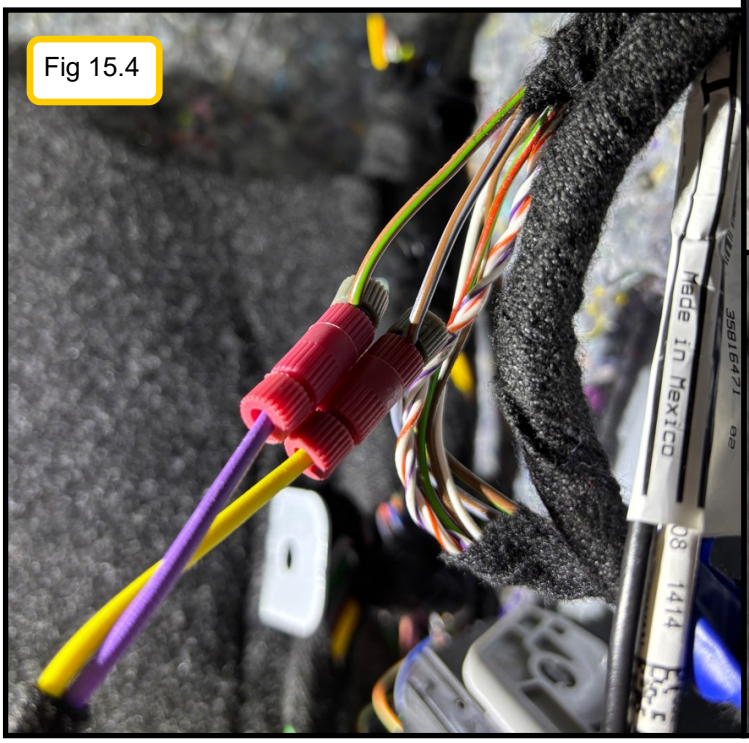
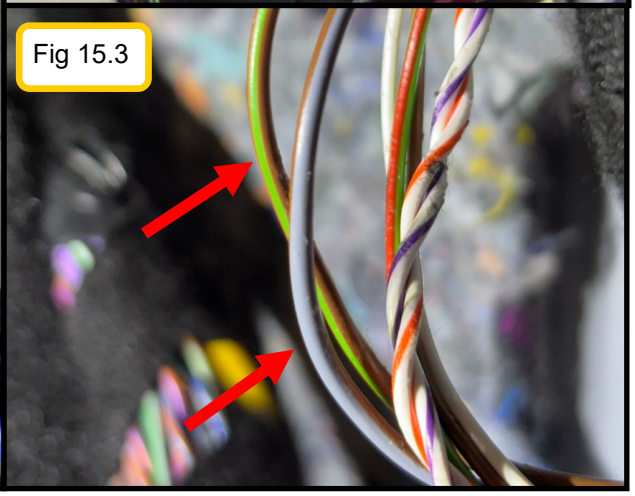


Fig 15.4


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

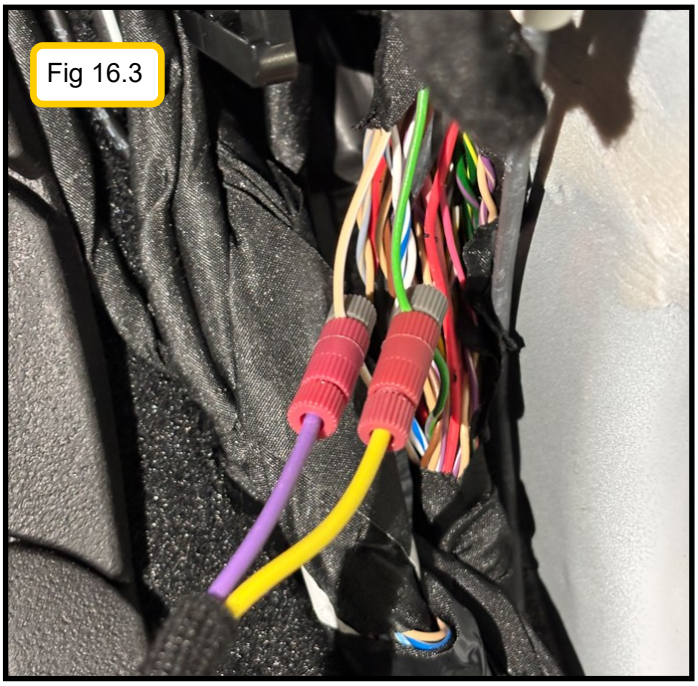
6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.

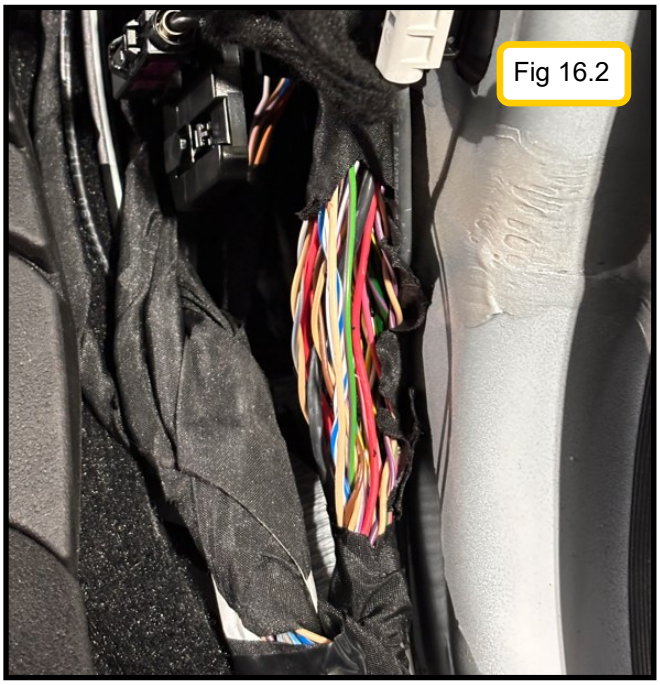
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.

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

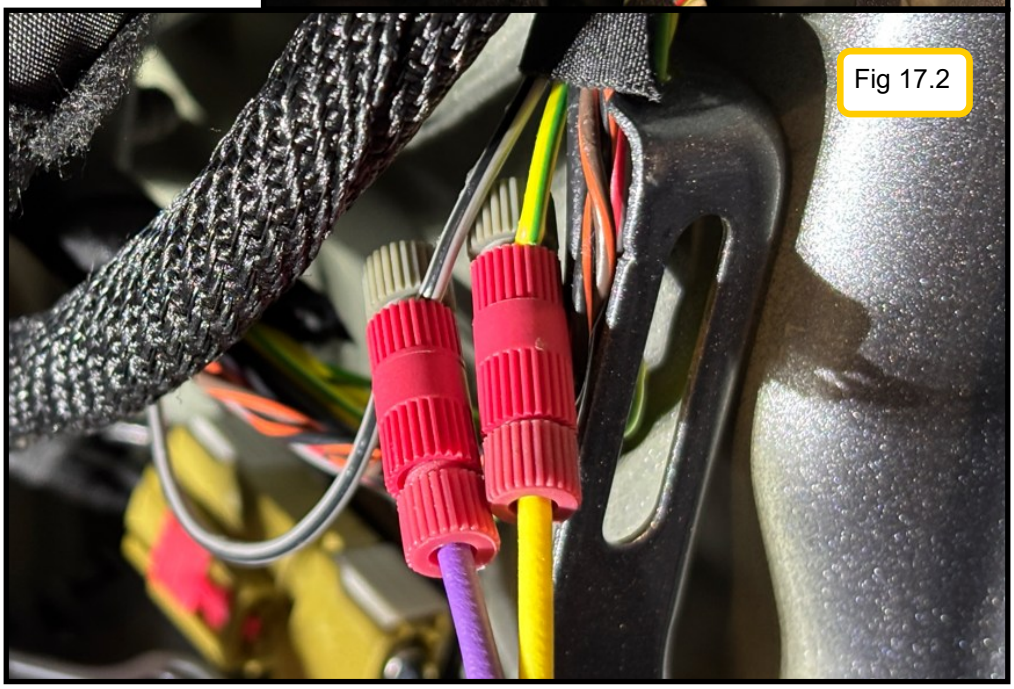
6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM.

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)

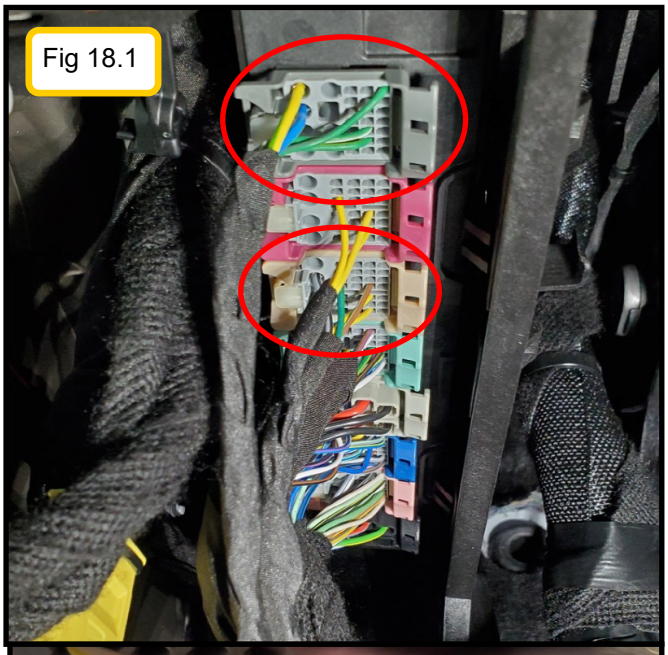
Silverado
74341 Yellow -> OEM X6 Gray / Black Stripe
74341 Purple -> OEM X8 Yellow / Green Stripe

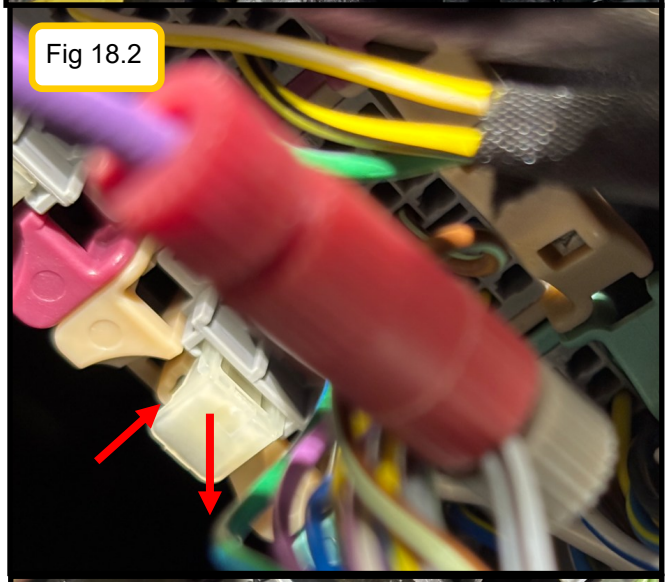
6. Plug the connectors back into the BCM.

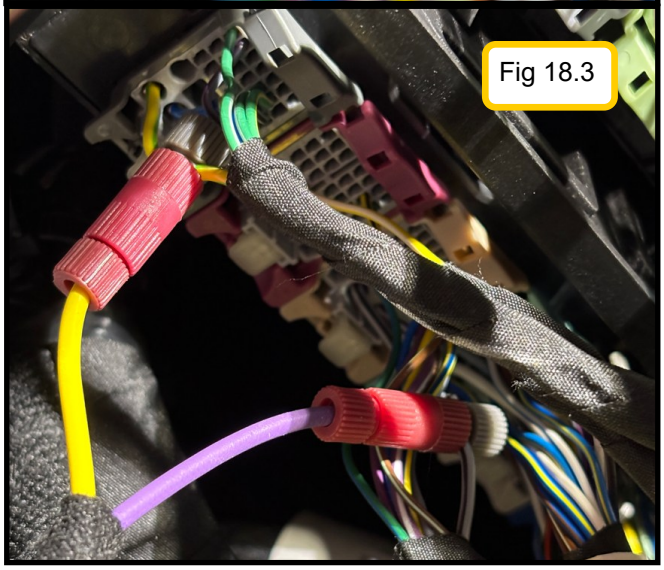
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.

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.


Fig 18.1


Fig 18.2


Fig 18.3

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)

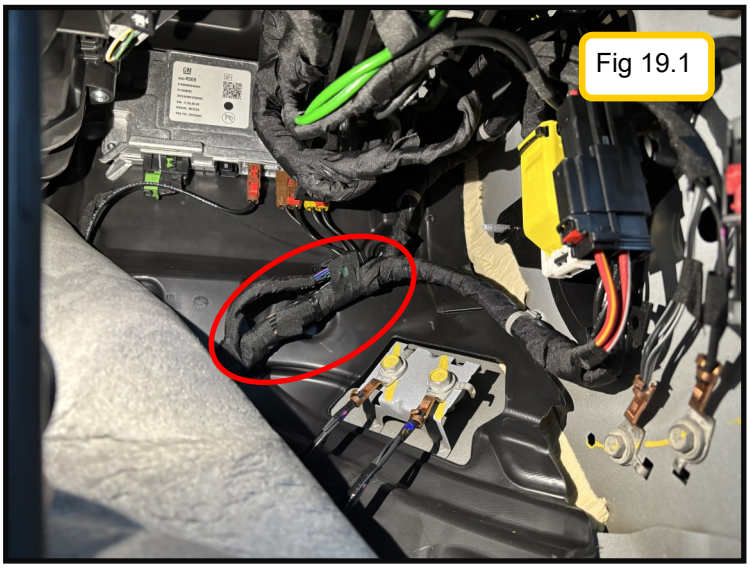
4. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 19.3)

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

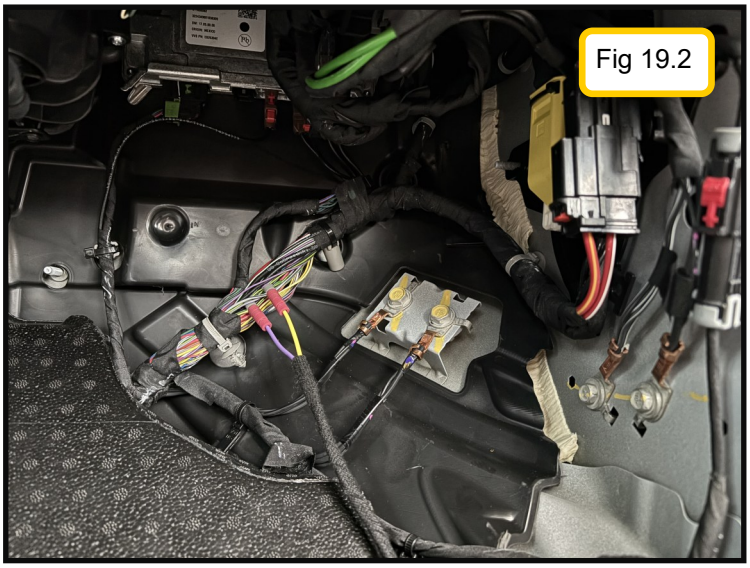

Fig 19.2


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)

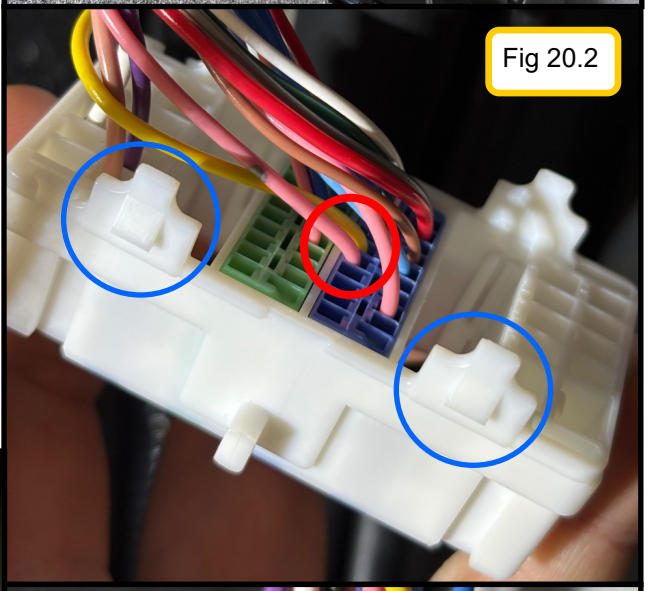
Frontier
74341 Yellow -> OEM Pink
74341 Purple -> OEM Yellow

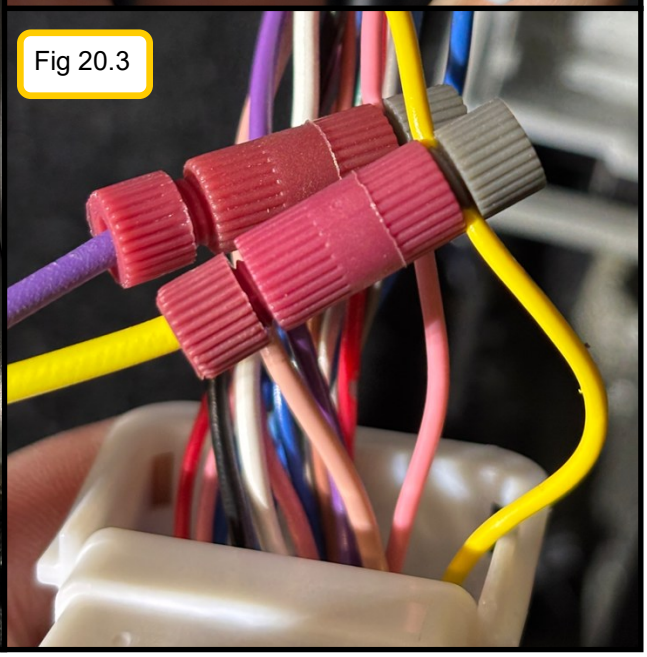
7. Fasten the cover back on the connector and plug in the connector. (fig 20.4)

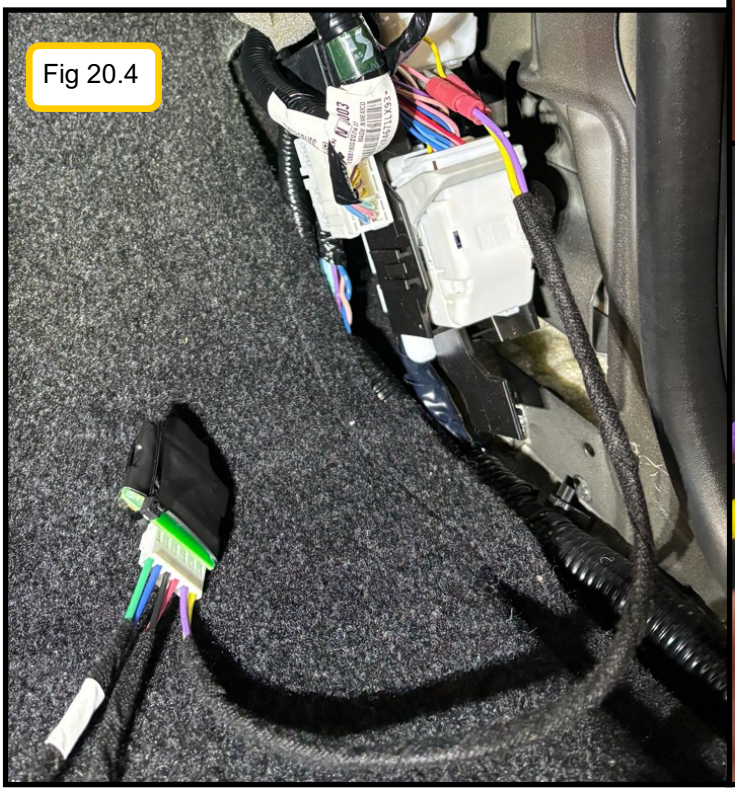
8. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.

9. Secure the harness and relay module to the OEM harnesses.


Fig 20.1


Fig 20.2


Fig 20.3


Fig 20.4

Battery Harness Install Instructions



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.

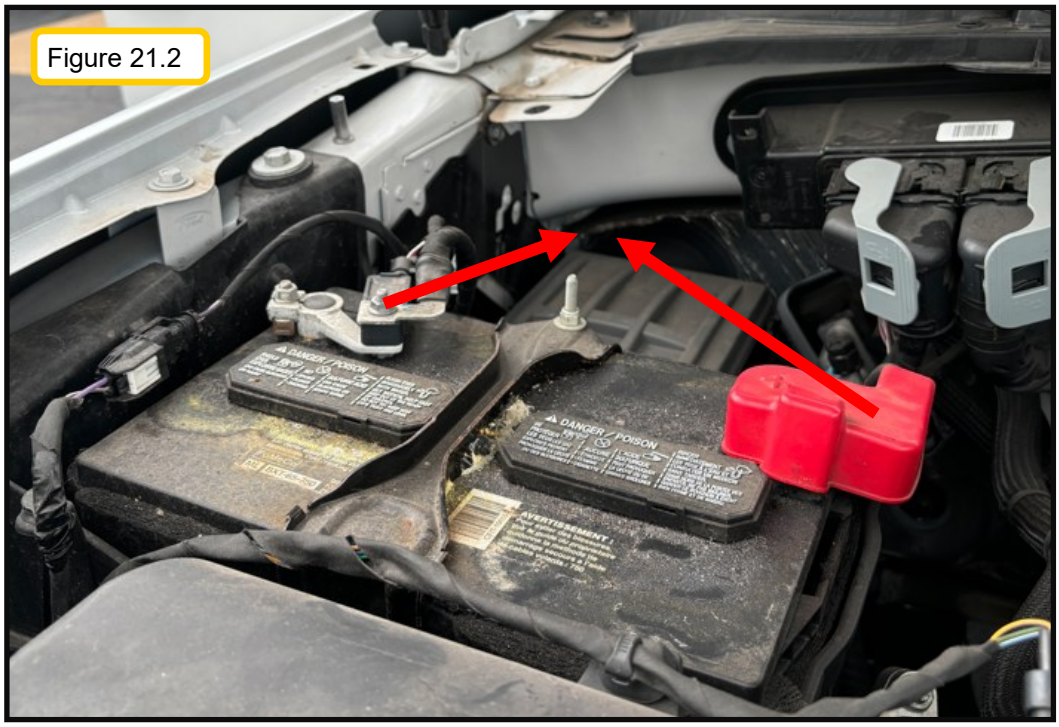


Figure 22.1

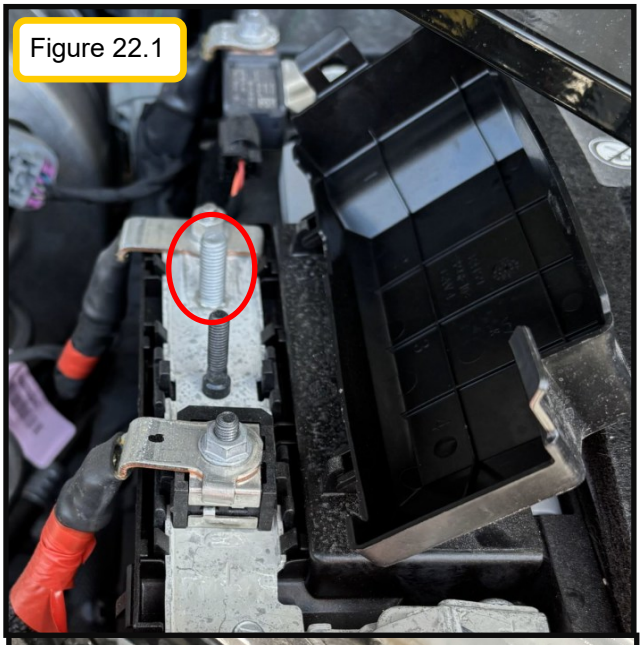


Figure 22.2



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.

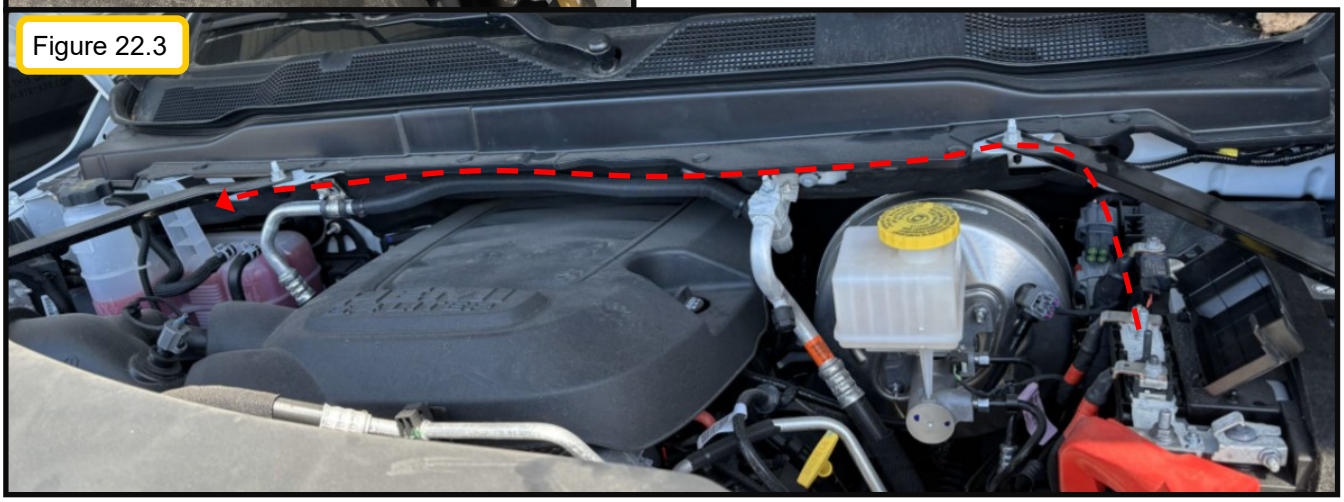
Attach the black wire with the ring terminal to either the negative terminal of the battery, or a nearby ground stud on the chassis of the vehicle if the negative battery terminal is not available.

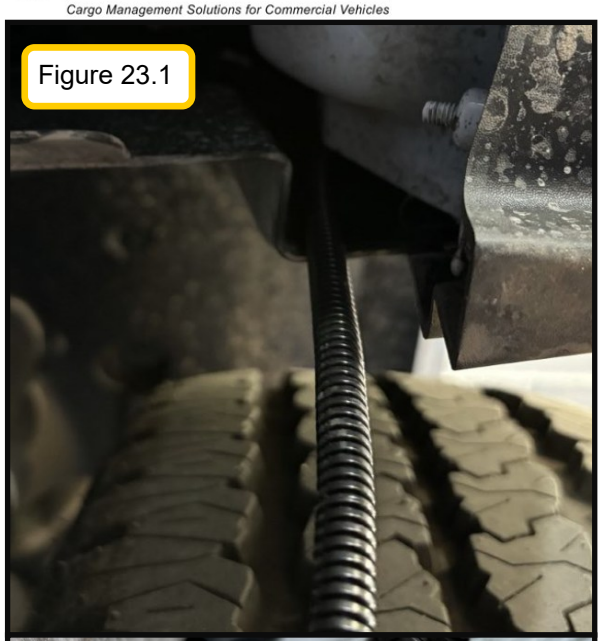
WARNING: DO NOT USE THE BATTERY CLAMP NUTs TO SECURE HARNESS

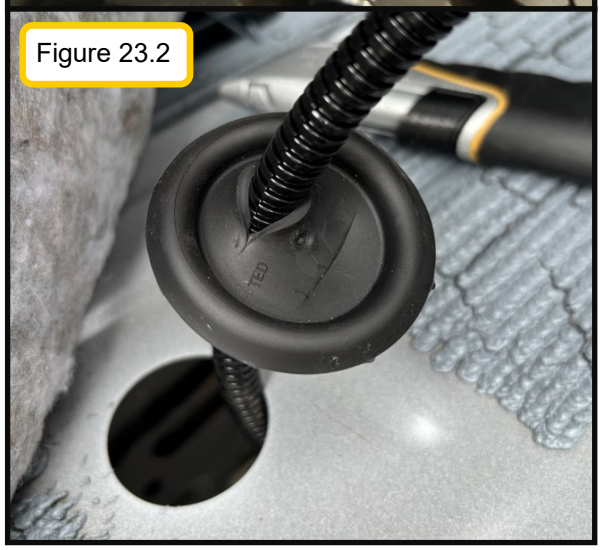
Torque the battery terminals to 8 Nm.

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 22.3




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)

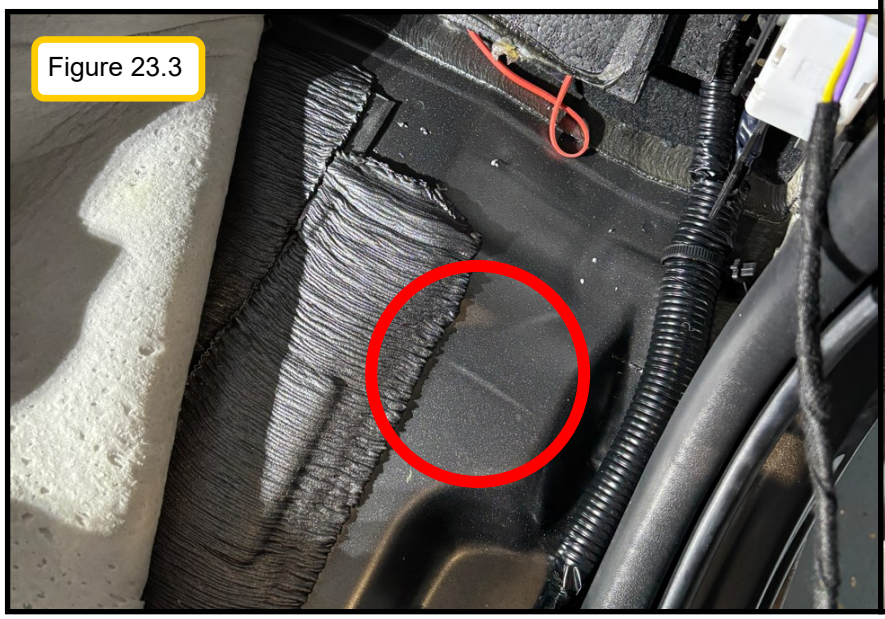

Figure 23.3


Figure 23.4

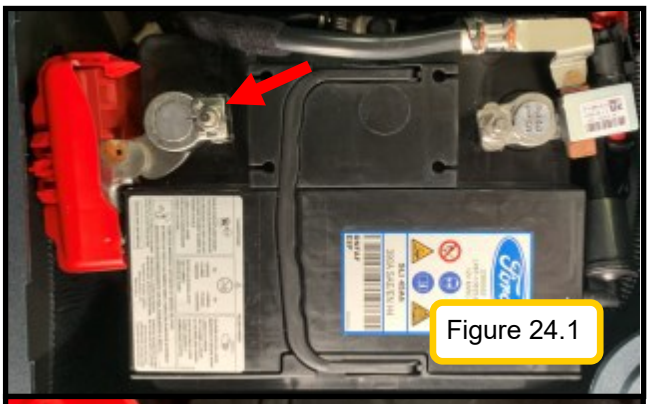

Figure 24.1


Figure 24.2


Figure 24.3

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

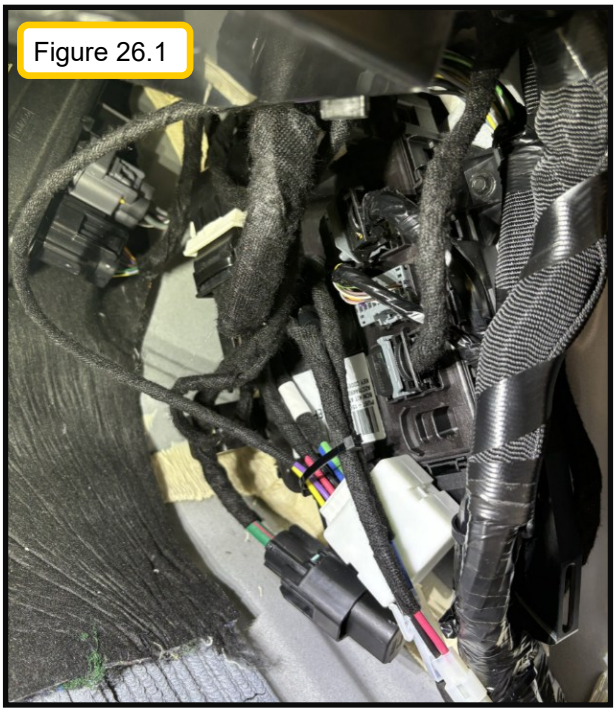
Step 16.
When routing the battery harness down the footwell behind the liner, pass it through the space between the outer body panel and the chassis. (Fig 25.1)


Figure 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)


Figure 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.

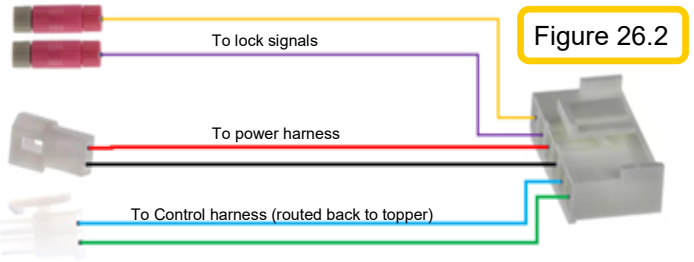


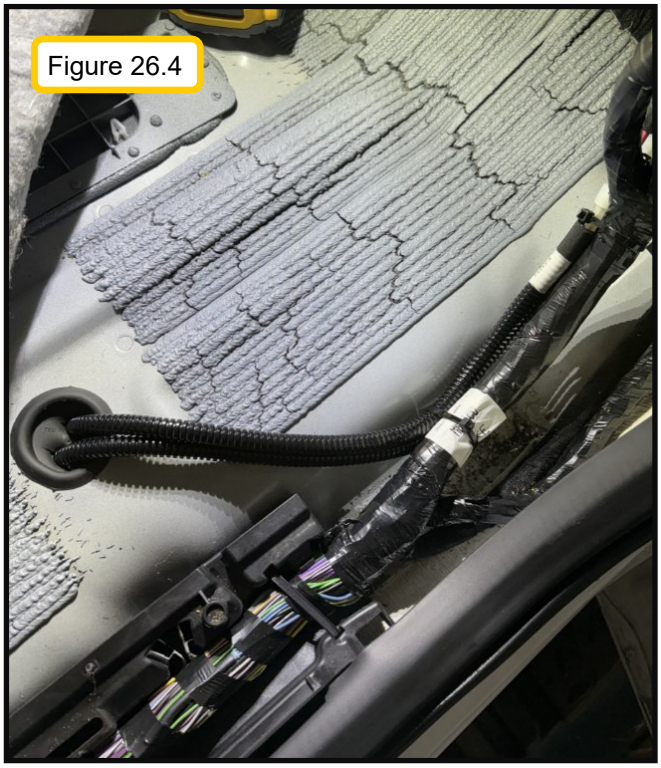
Figure 26.2

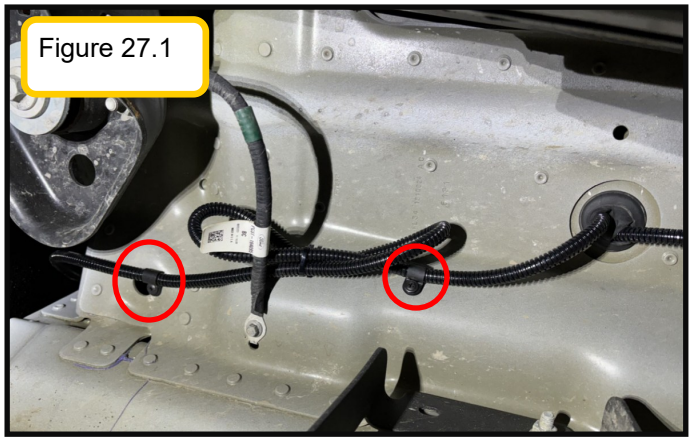
Tuck the Relay Module and attached harnessing behind the wires under the dash. Use zip ties to secure the Relay Module and connectors to the OEM harnesses at least 10cm above the floor of the vehicle.

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.

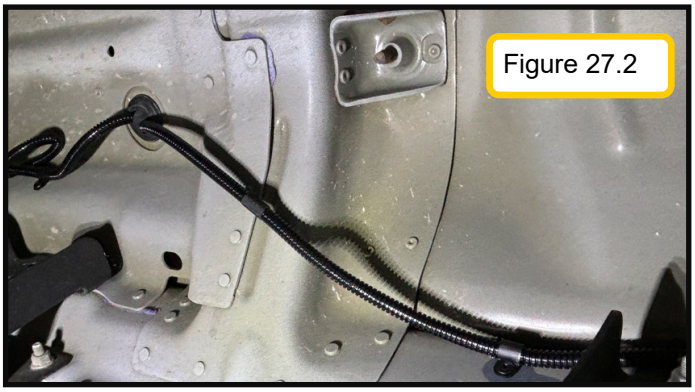
Step 3:
Secure the harnesses to OEM harnesses with zip ties and seal the grommet gaps with silicone.


Figure 26.3

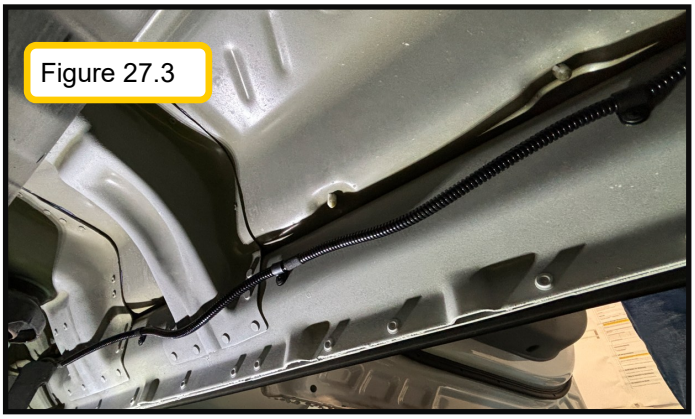

Figure 26.4


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 control 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.

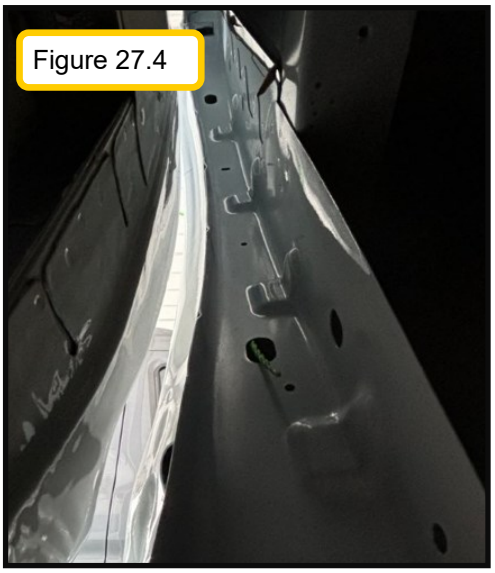

Figure 27.4


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


Figure 28.1


Figure 28.2

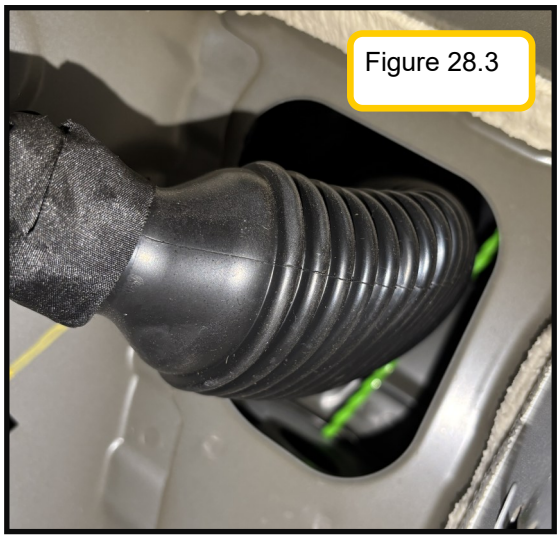

Figure 28.3


Figure 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.

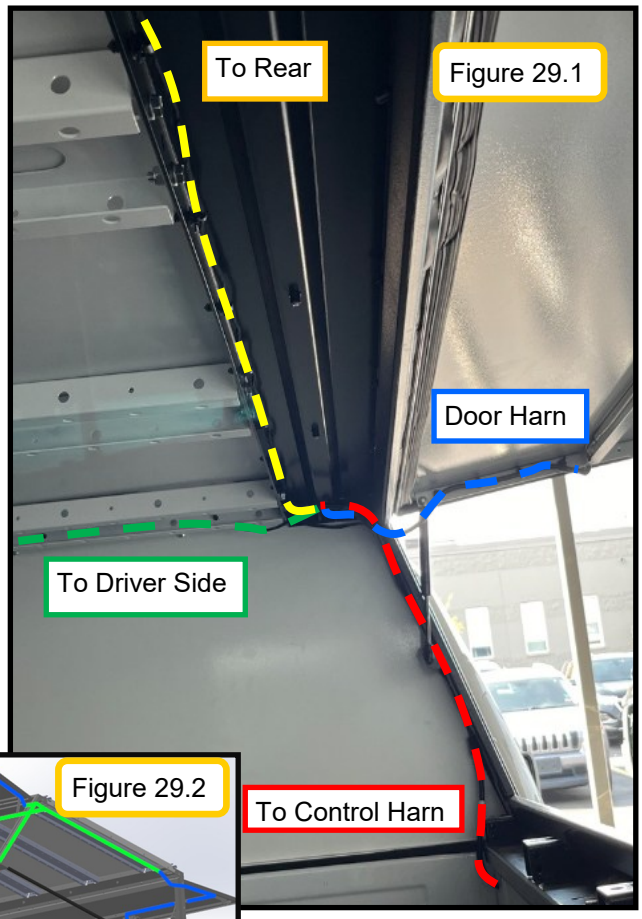
3. Once at the top, the harness will split three ways. (red line shows the part before the harness splits). (Fig 29.1)

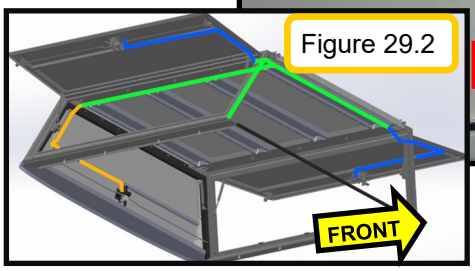
4. The shortest end of the 3-split harness will connect directly to the passenger door harness (blue line).

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).

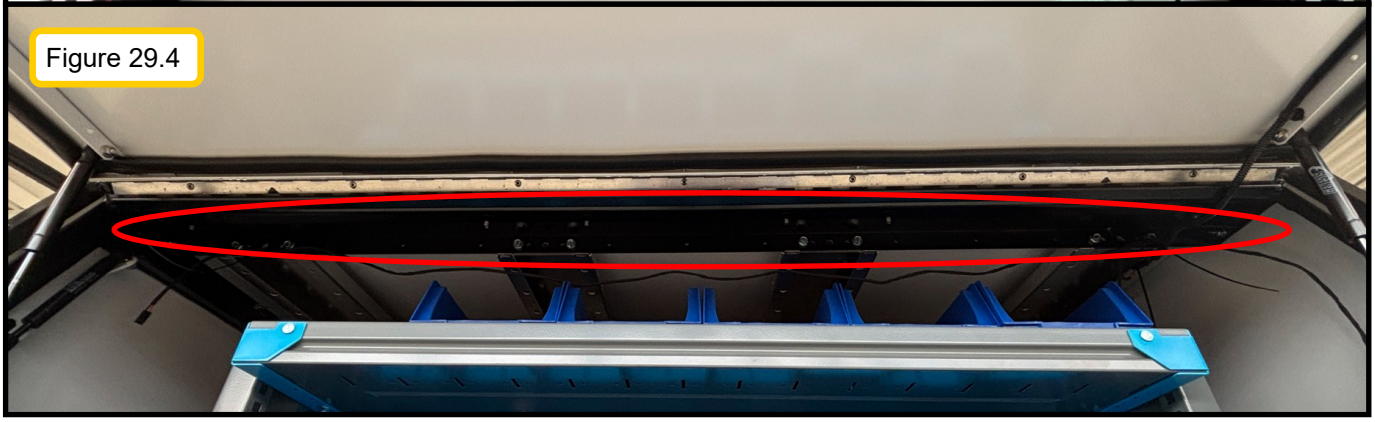
6. Use tree cable ties to route the remaining end of the harness to the driver's side door by going across the topper crossbeam closest top the cab (Figure 29.3).

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









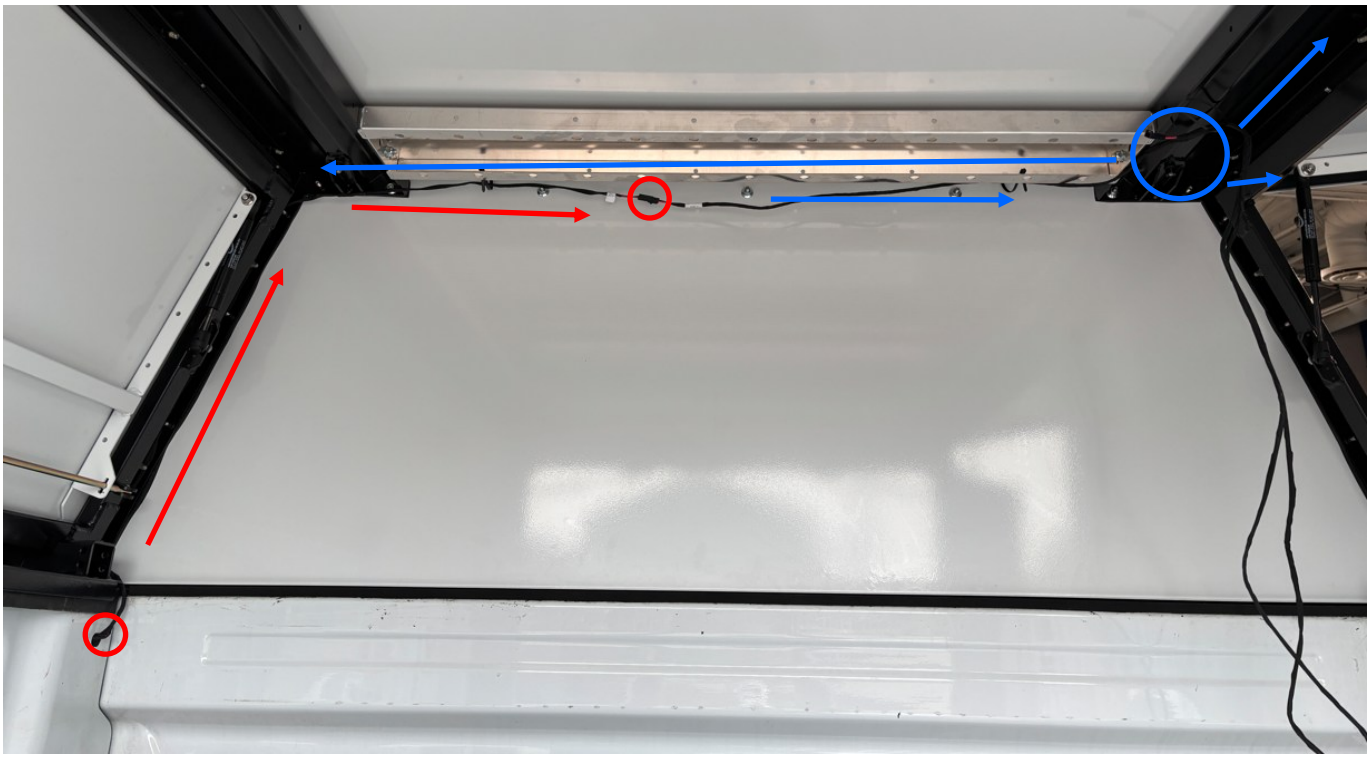
Adrian Cap Harness Install Instructions

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.

Figure 31.1

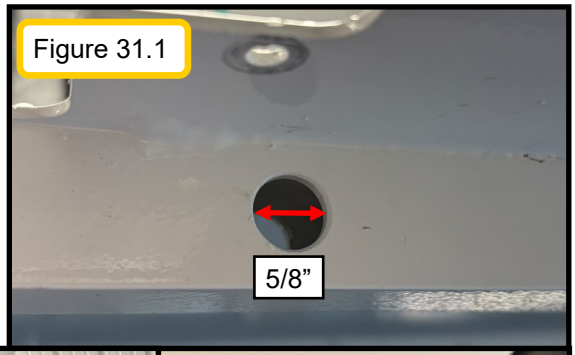


Figure 31.2



Figure 31.3

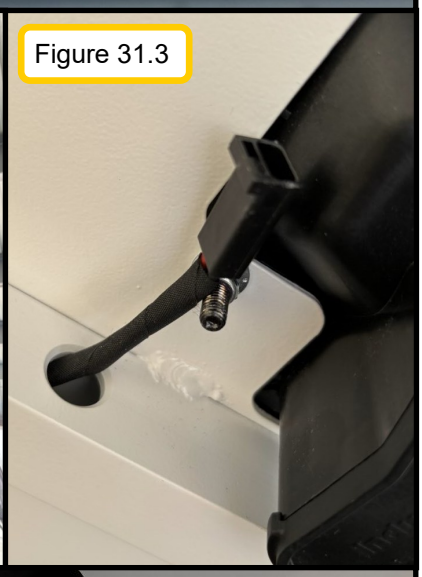


Figure 31.4

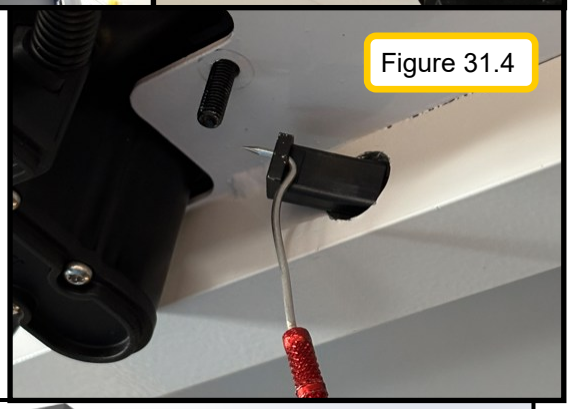
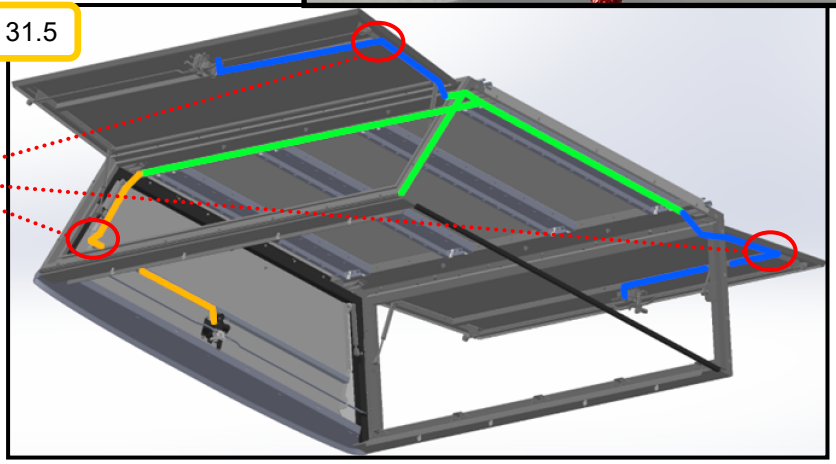


Figure 31.5





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.

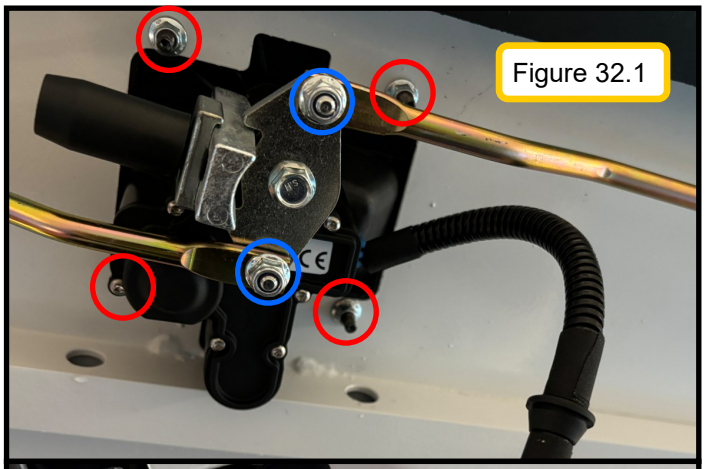
NOTE: The wires going into both connectors may not match, but as long as the connectors lock together that is the important part

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

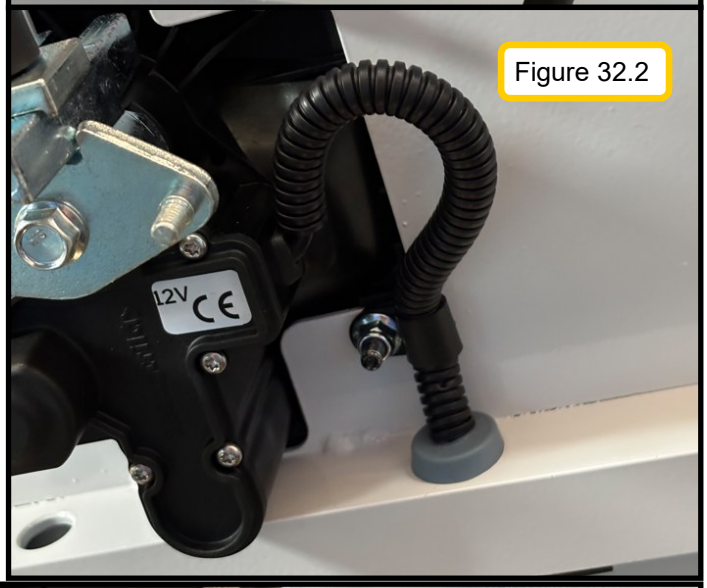
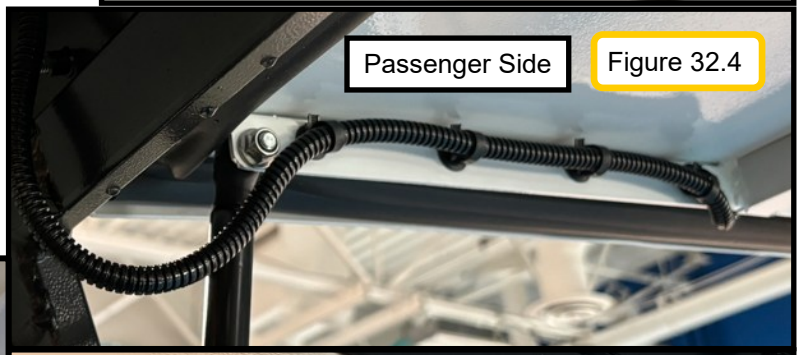
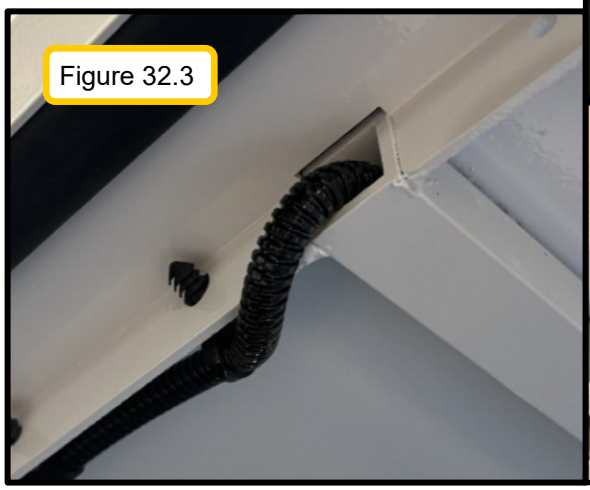
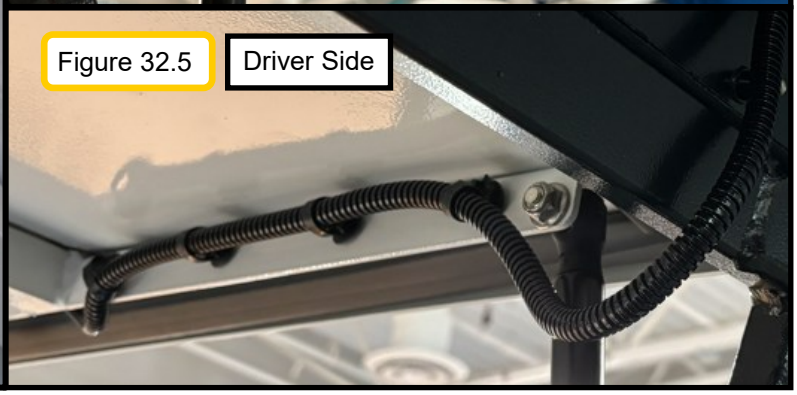


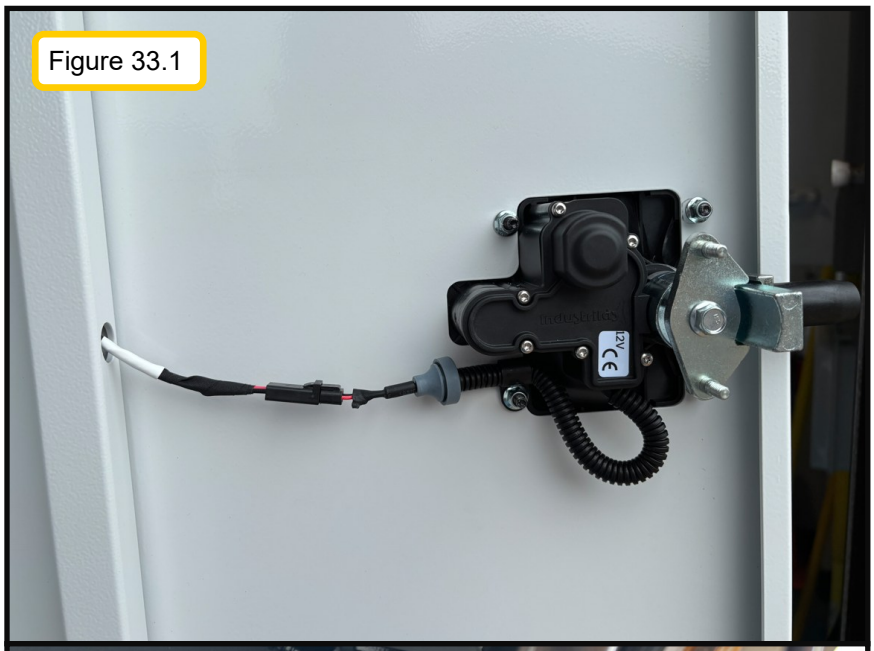
Figure 32.2


Passenger Side
Figure 32.4


Figure 32.3


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)

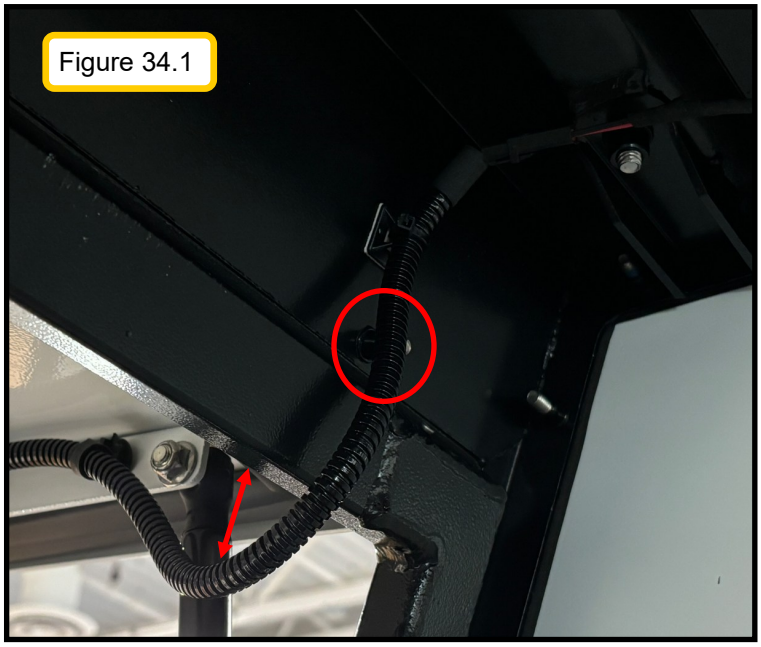

Figure 33.1

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)


Figure 34.1

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 horizonal position.

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

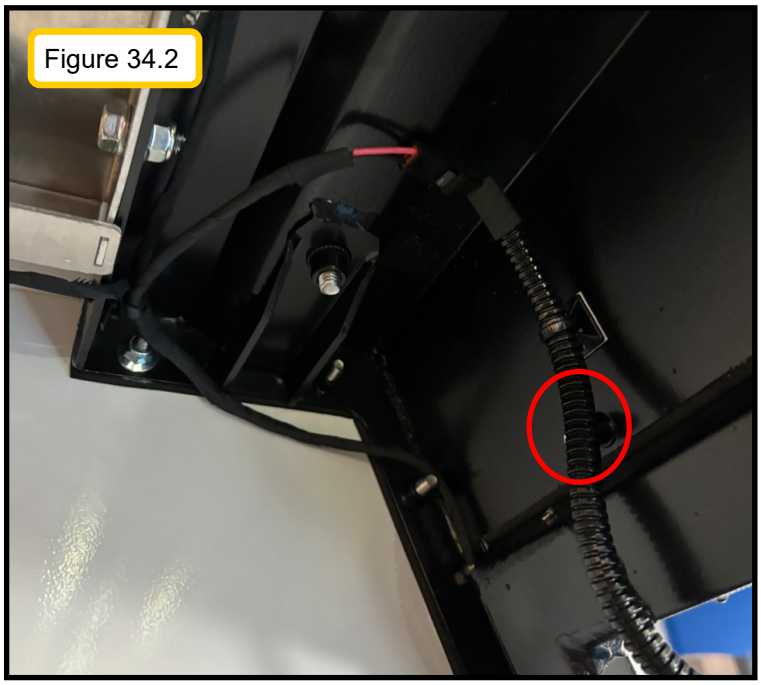
- If the pins don't turn, or turn opposite of where they should, refer to pg. 11 for troubleshooting notes.

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.

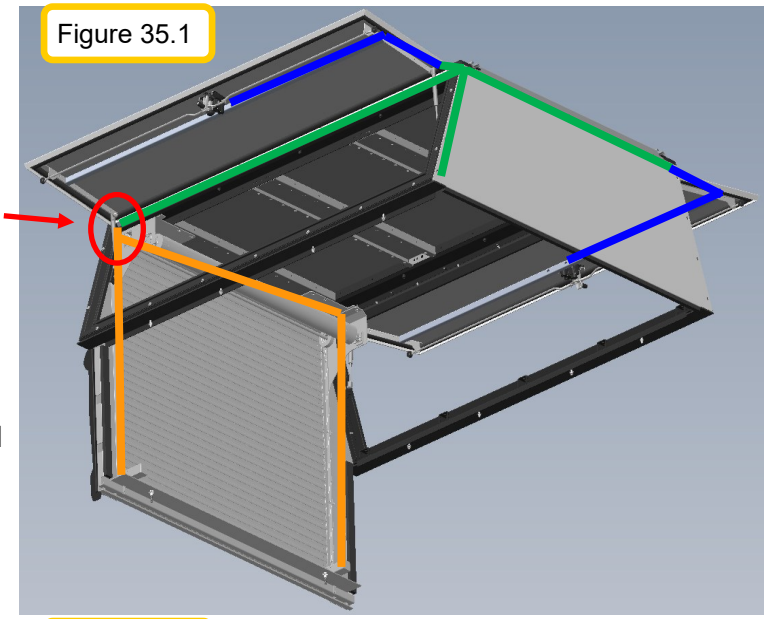
INSTALL COMPLETE


Figure 34.2

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

Figure 35.1

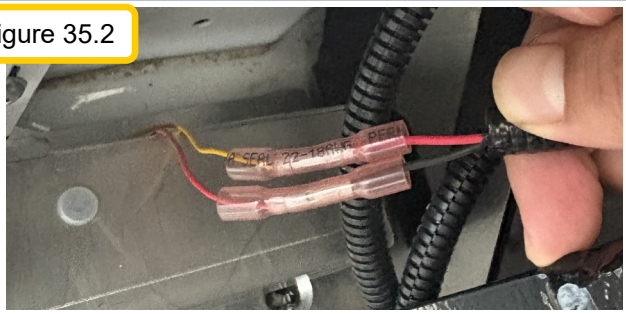


Route the shorter leg of the harness straight down to be connected to the E-lock via butt-splice connectors.

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

Figure 35.2



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

Figure 35.3



INSTALL COMPLETE

Figure 35.4



Vertical Position: WRONG



Horizontal Position: CORRECT

INSTR. NUMBER	PG:	REV:
74953	1	J

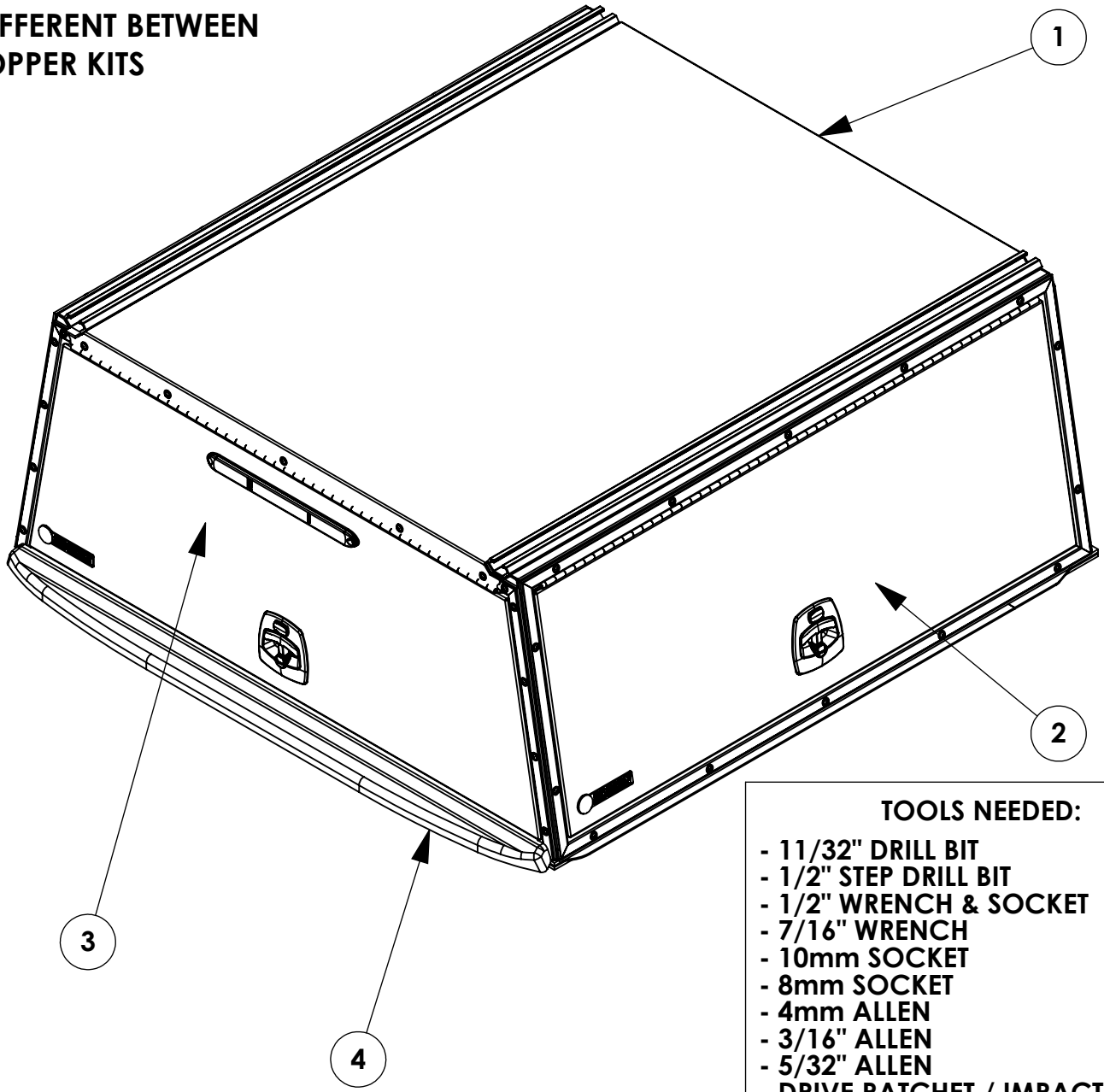
PART NUMBER : **TFKMAV154HM23W**

PART DESC. : ASM INS, TFKMAV154HM23W

BOM FOR 4.5' MAVERICK 23"

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TRK5423W	TOP, ROOF KIT,54",23,W	1
2	TSK54M23W	TOP, SIDE KIT,54",M,23,W	2
3	TCK54HM23W	TOP,CLOSE KIT,78",HM23,W	1
4	THKMAV154M23	HDW KIT, TFKMAV154HM23W	1

FASTENER AND HOLE COUNTS MAY BE DIFFERENT BETWEEN TOPPER KITS



TOOLS NEEDED:

- 11/32" DRILL BIT
- 1/2" STEP DRILL BIT
- 1/2" WRENCH & SOCKET
- 7/16" WRENCH
- 10mm SOCKET
- 8mm SOCKET
- 4mm ALLEN
- 3/16" ALLEN
- 5/32" ALLEN
- DRIVE RATCHET / IMPACT
- SCISSORS
- TAPE MEASURE
- ALIGNMENT PUNCH
- 30MM OR 1-3/16" HOLE SAW
- T40 TORX BIT
- PLUSNUT TOOL OR GUN
- 1/4" RIVET TIP

INSTR. NUMBER	PG:	REV:
74953	2	J

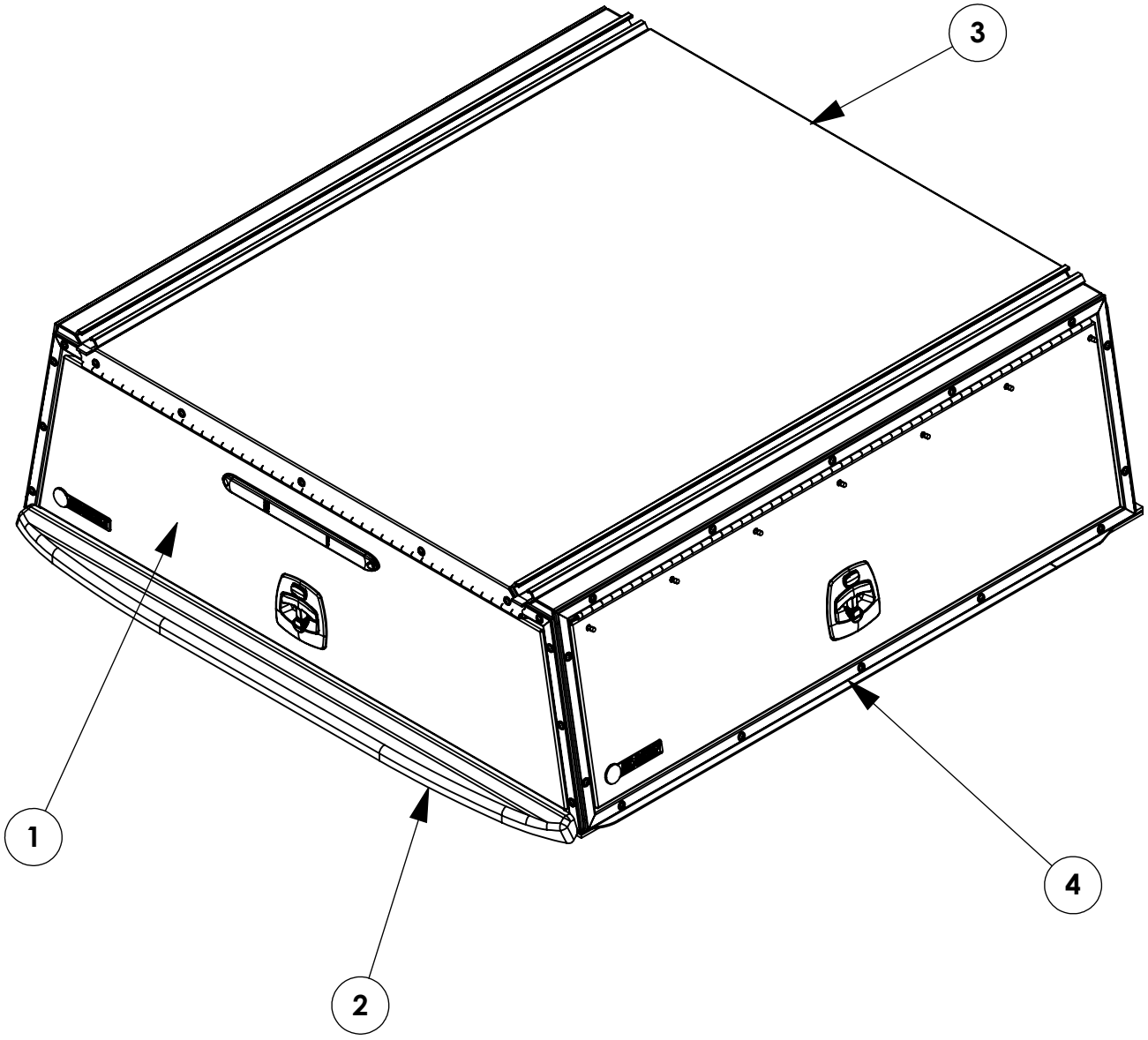
PART NUMBER : **TFKMAV154HM18W**

PART DESC. : ASM INS, TFKMAV154HM218W

FASTENER AND HOLE COUNTS MAY BE DIFFERENT BETWEEN TOPPER KITS

BOM FOR 4.5' MAVERICK 18"

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TCK54HM18W	TOP,CLOSE KIT,54",HM18,W	1
2	THKMAV154M18	HDW KIT, TFKMAV154HM18W	1
3	TRK5423W	TOP, ROOF KIT,54",23,W	1
4	TSK54M18W	TOP, SIDE KIT,54",M,18,W	2
16	TMLHK	Topper Mechanical Lock Hatch Kit	1



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.

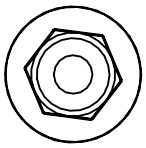
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

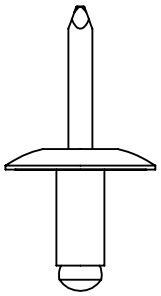
BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

FASTENERS USED

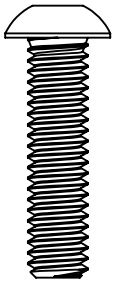
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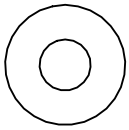
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HFLNG NLK NUT
QTY: 10



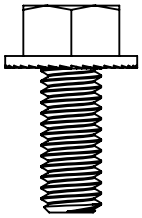
FAS1014
.25X.11GR AL
RIVET, BLND
QTY: 6



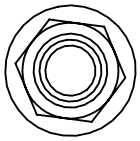
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5/16-18 X 1.25 SST
BHC SCREW
QTY: 8



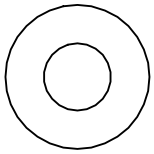
FAS0234
1/4 SST
FLAT WASHER
QTY: 30



FAS0438
5/16-18 X .75 ZP
HFNLG SCREW
QTY: 12



FAS0440
5/16-18 ZP
HFLNG NLK NUT
QTY: 12



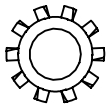
FAS0552
5/16 SST
FLAT WASHER
QTY: 8



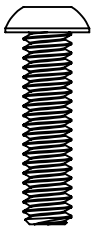
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M5 X .8 ZP
HFLNG NLK NUT
QTY: 8



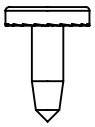
FAS0918
10-24 ZP
HFLNG NLK NUT
QTY: 4



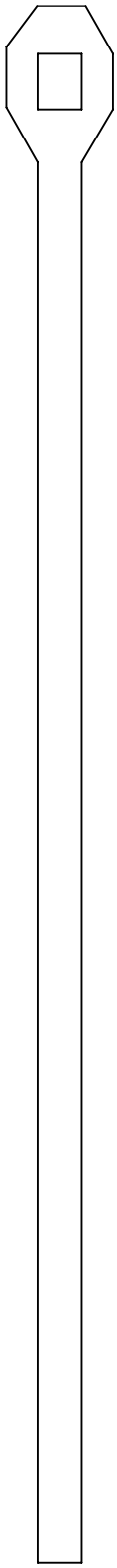
FAS0066
1/4
LOCK WASHER
QTY: 1



FAS0940
1/4-20 X 1.0 SST
BHC SCREW
QTY: 30



FAS0148
#10 X 0.5 NI-ZN
PAN HEAD SCREW
QTY: 1



78320
7.5" STUD MNT
CABLE TIE
QTY: 5

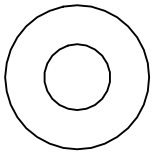
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BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

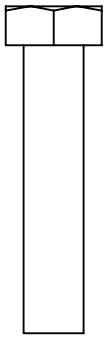
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FASTENERS USED

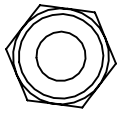
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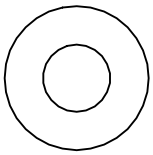
FAS0164
5/16 ALUM
FLAT WASHER
QTY: 8



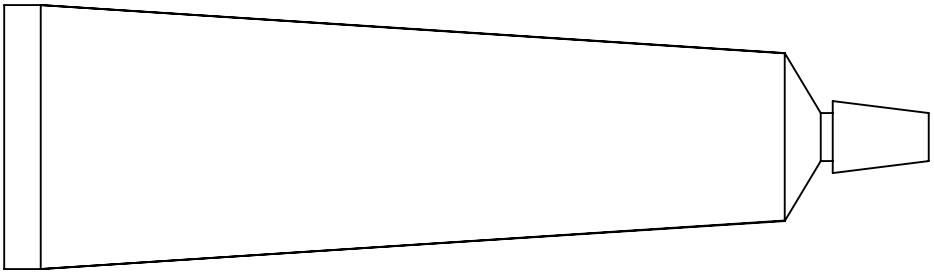
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5/16-18 X 1.5 SST
HH SCREW
QTY: 8



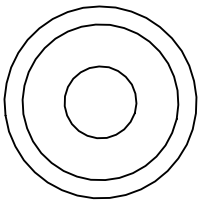
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5/16-18 SST
HH NLK NUT
QTY: 18



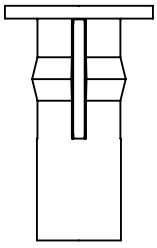
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FLAT WASHER
QTY: 16



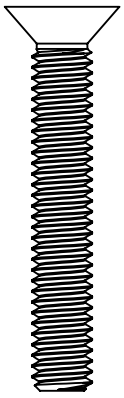
26618-0
1 OZ TUBE
SILICONE
QTY: 2



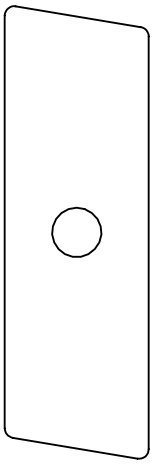
FAS0831
1/2 SHORT, ZN
SPACER
QTY: 10



FAS0091
5/16-18 PB DC
PLUSNUT
QTY: 3



FAS1279
5/16-18X2.0 SS
FHT SCREW
QTY: 13



36503-0
5/16-18
RETAINER BAR
QTY: 10

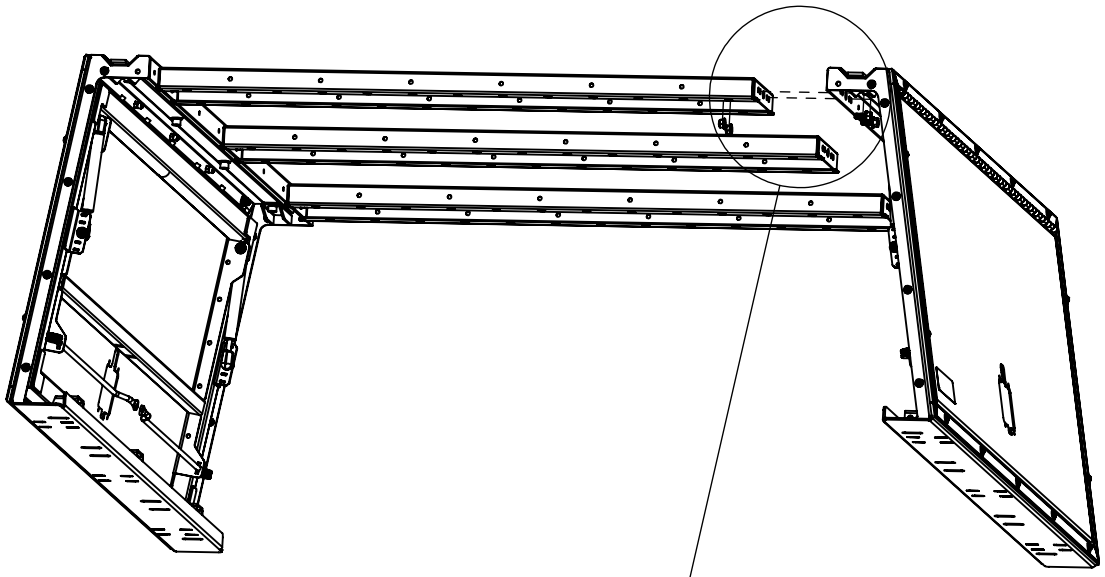
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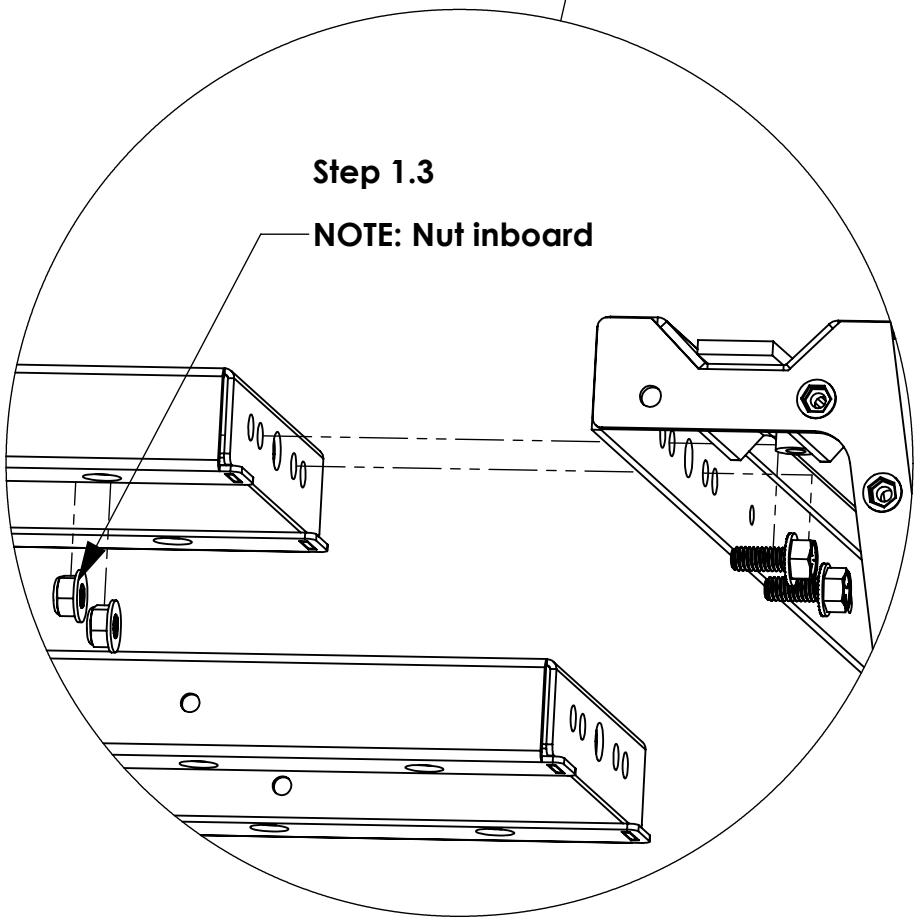
STEP 1 - ASSEMBLE BODY FRAME: SIDES AND CROSSBOWS.

Step 1.1
OPEN [x2] TOPPER SIDE KITS [TSK54M23W]

Step 1.2
OPEN TOPPER ROOF KIT [TRK5423W]

Step 1.3
<u>FULLY TIGHTEN</u>
FAS0438 AND FAS0440 (12 PLACES)
1/2" WRENCH
1/2" SOCKET





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

****NOTE: CONFIRM ALL (3) LOCKS ARE KEYED THE SAME

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

!! CAUTION !!
DOORS MAY TRY TO OPEN.

Step 2.2
ATTACH HANDLE TO DOOR

FULLY TIGHTEN
FAS0917
(4 PER DOOR)
10mm SOCKET

DO NOT OVERTIGHTEN

Step 2.3
ATTACH LOCKRODS TO HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
8mm SOCKET

DO NOT OVERTIGHTEN

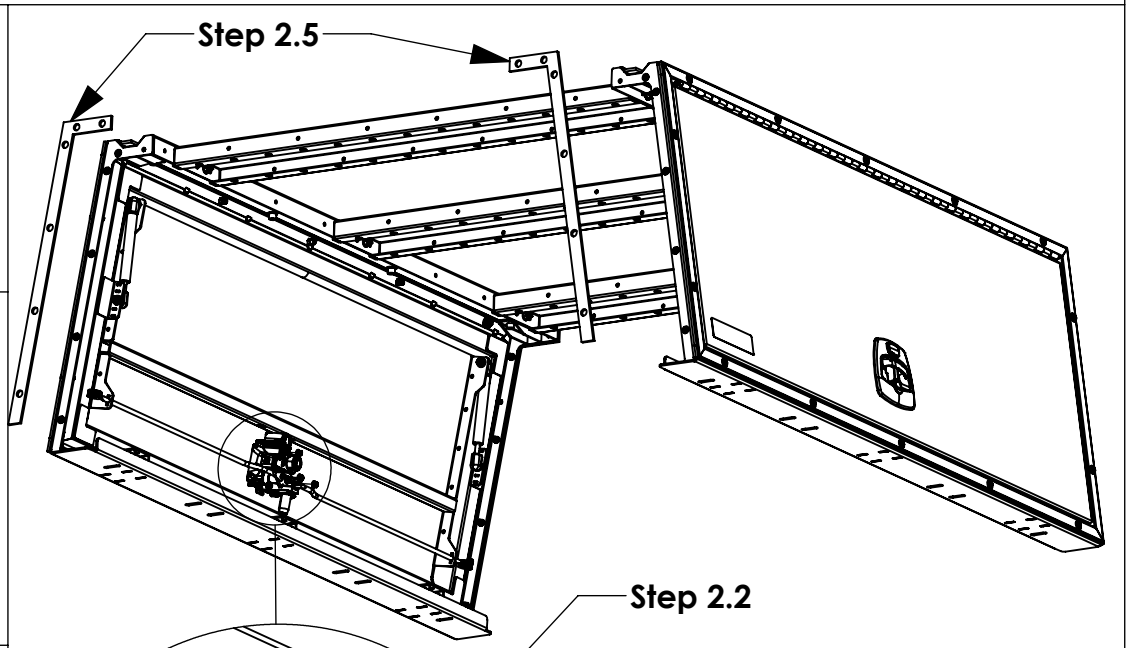
Step 2.4
ADJUST HANDLE POINT TO ALIGN WITH CASTING LINE ON HANDLE BODY (APPROX: 1.0")

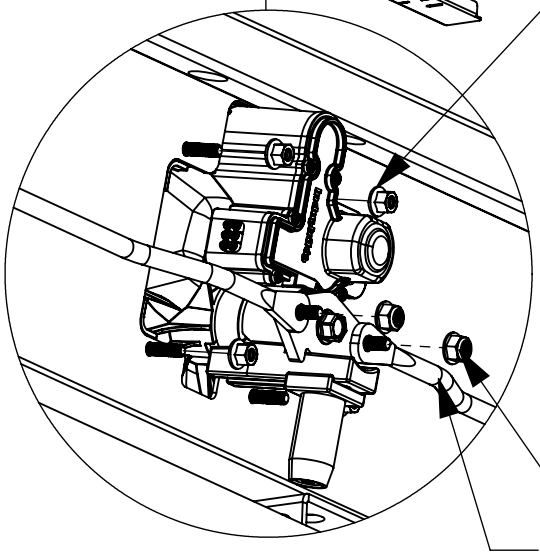
FULLY TIGHTEN
4mm ALLEN
(2 PLACES)

Step 2.5
APPLY FOAM SEALS TO ALL CORNERS.

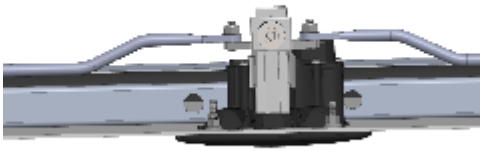
USE HOLES IN SEAL TO ALIGN MATERIAL.

Step 2.6
CUT 52376 INTO 2" STRIPS AND COVER HANDLE LATCH ADJUSTER AS SHOWN





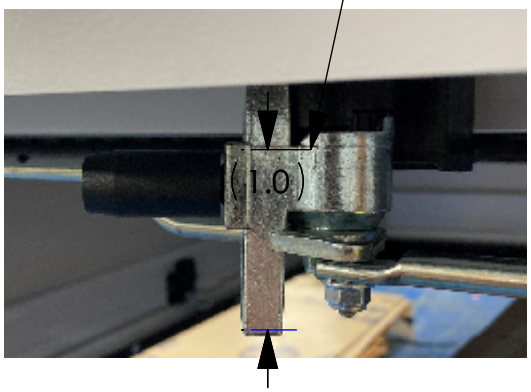
STOP STEP 2.2 & 2.3 HAVE DIFFERENT SIZED FASTENERS



STOP







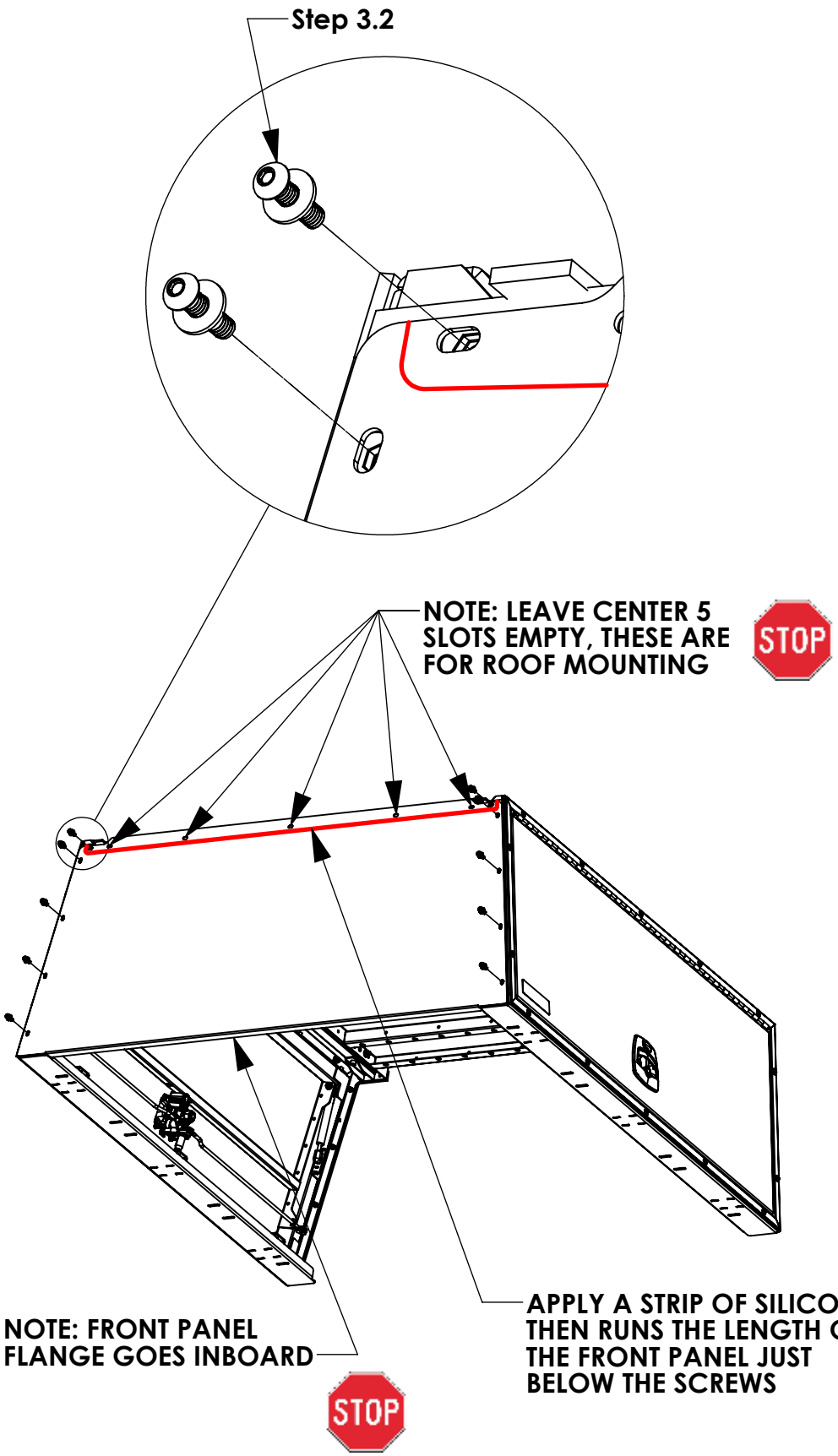
STEP 3 - ATTACH FRONT PANEL.

Step 3.1
OPEN TOPPER CLOSURE KIT [TCK54HM23W]

Step 3.2
ATTACH FRONT PANEL.

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

DO NOT TIGHTEN UNTIL AFTER STEP 4



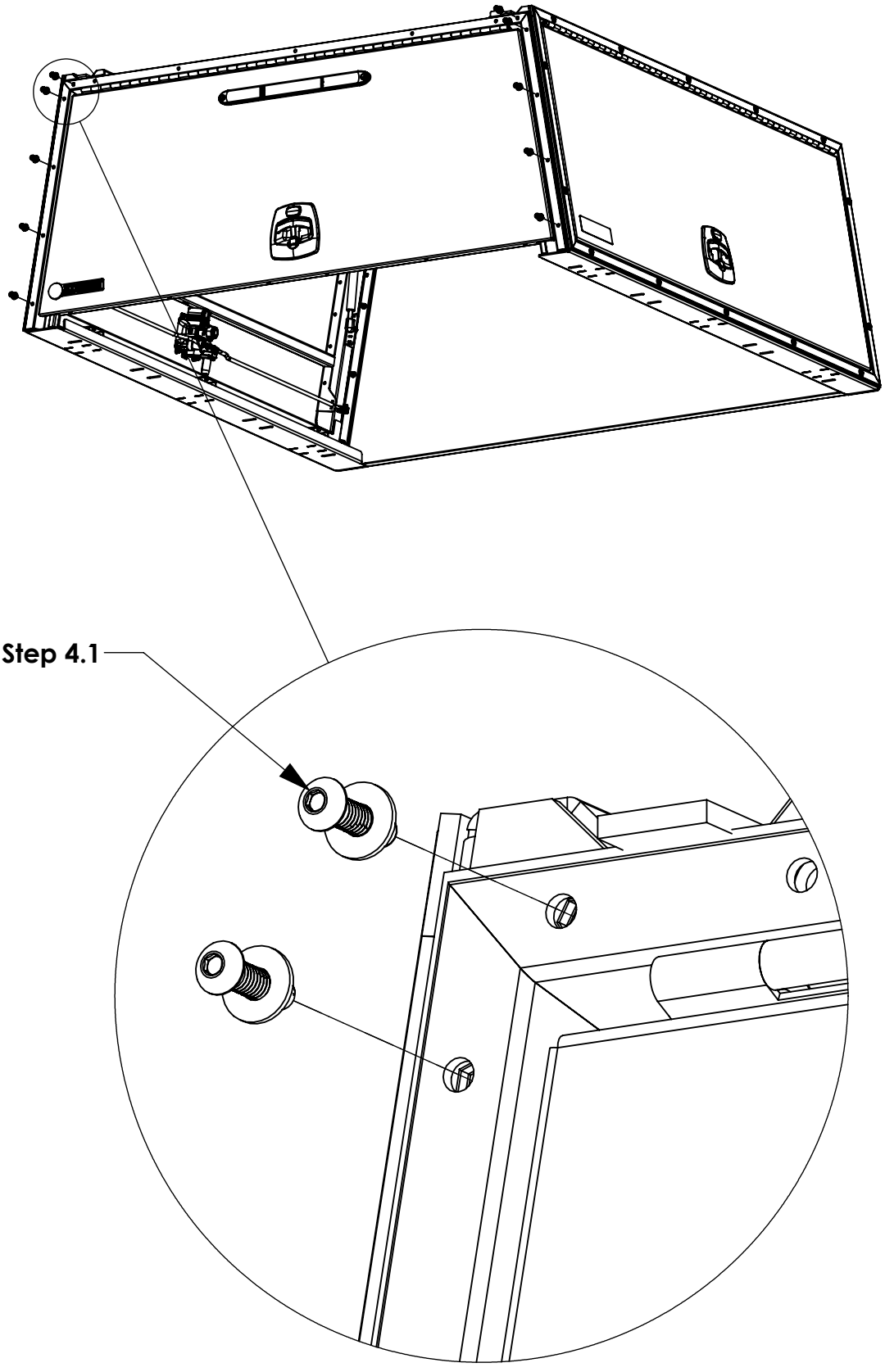
STEP 4 - ATTACH LIFTGATE.

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 ROOF AND ROOF RAILS.

Step 5.1
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 5.2
ATTACH MOUNTING RAILS TO TOPPER BODY.

USE AN ALIGNMENT PUNCH OR PRE-TAP TO POKE THROUGH FOAM SEALS.

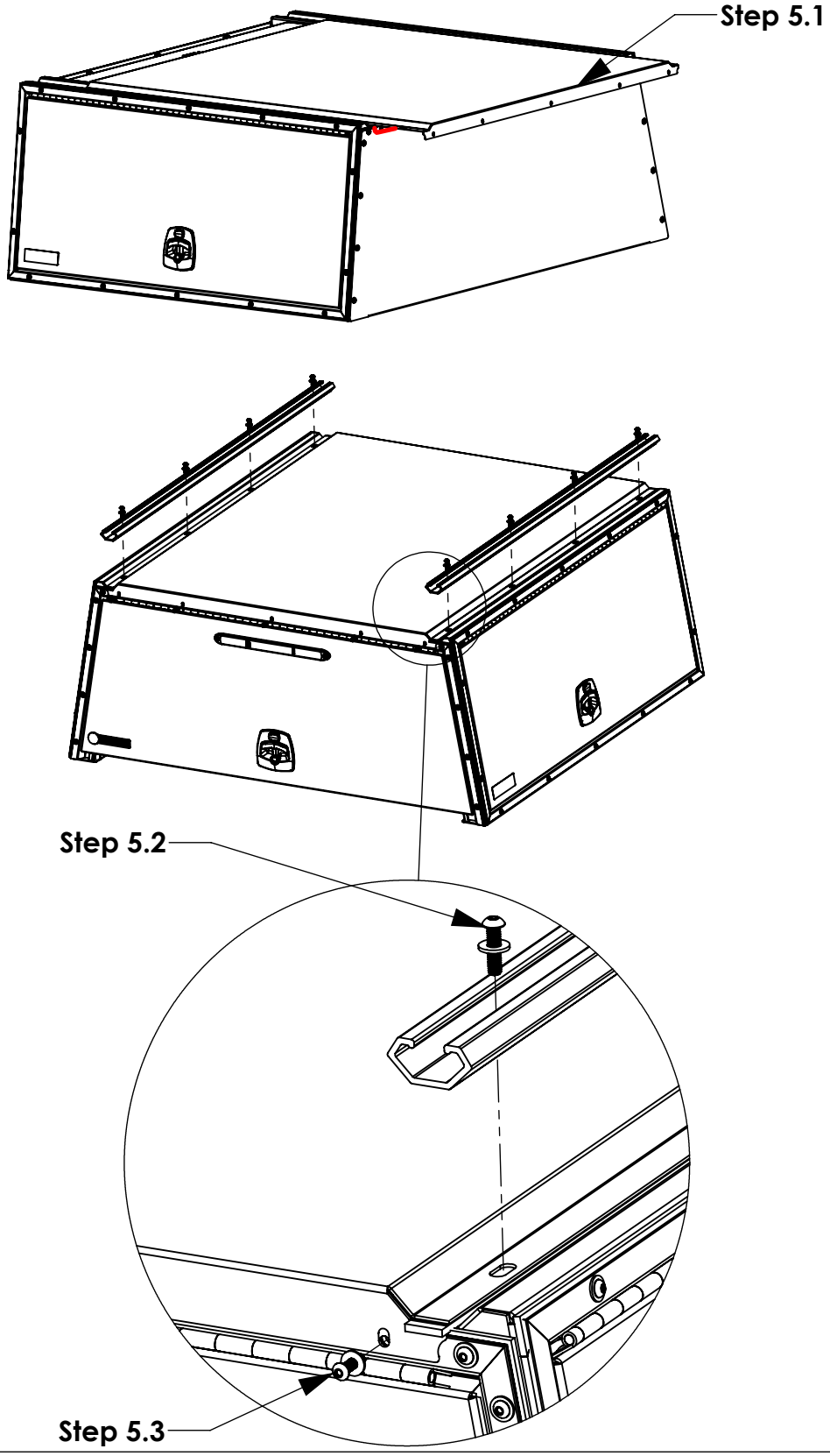
<u>FULLY TIGHTEN</u>
FAS0552,
FAS0919
(8 PLACES)
3/16" ALLEN

Step 5.3
ATTACH ROOF TO TOPPER BODY.

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



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



STEP 6 - ATTACH TAILGATE COVER.

*****NOTE REGARDING TOOLBOX ACCESSORY*

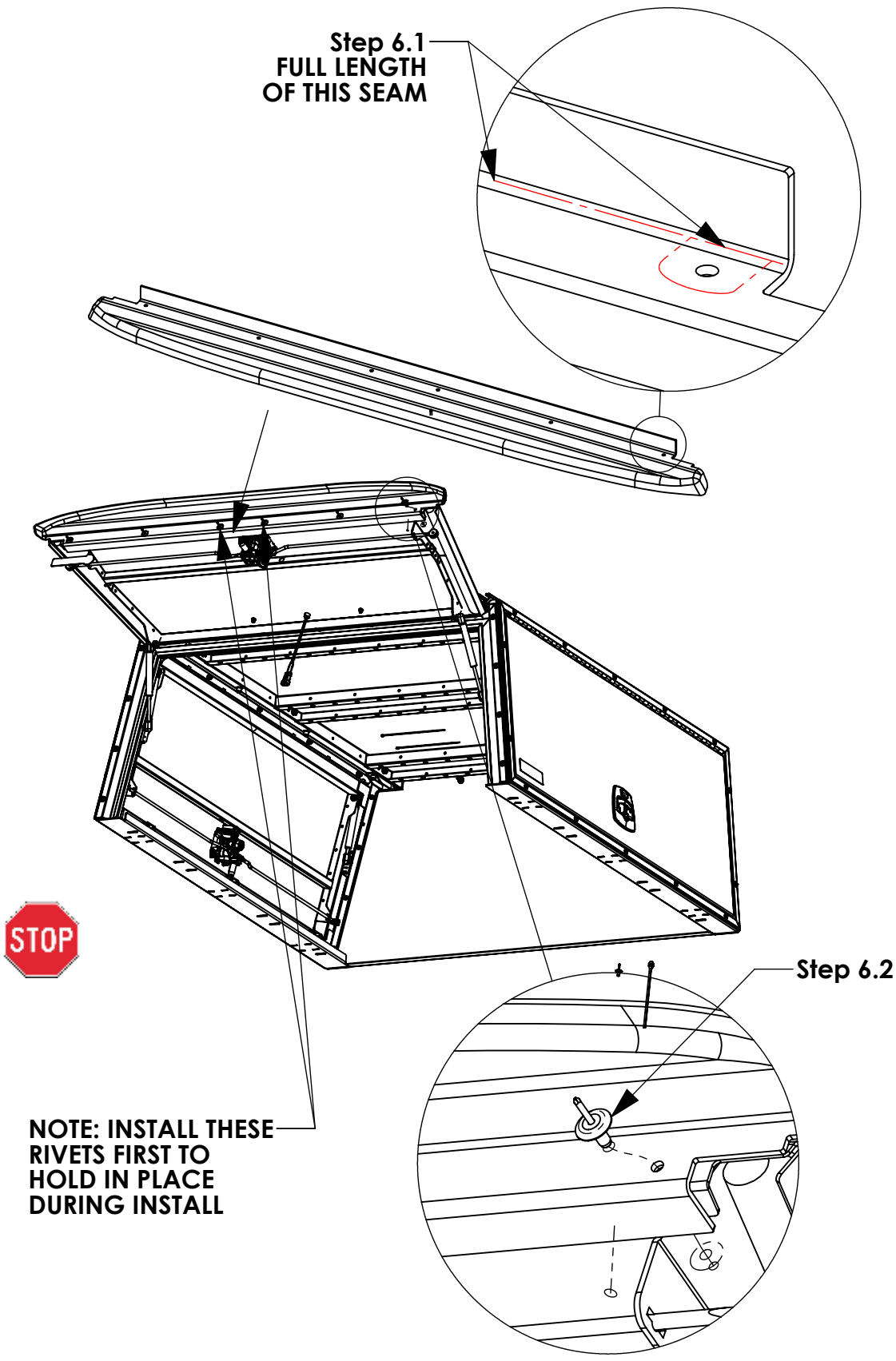
Step 6.1
ADD SILICONE TO CORNER OF TAILGATE COVER AND AROUND BOTTOM FACE MOUNTING HOLES.

Step 6.2
ATTACH TAILGATE COVER TO REAR DOOR.

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

1/4" RIVET TIP

******NOTE: IF ADDING TOOLBOX, WAIT TO INSTALL UNTIL AFTER TOPPER IS INSTALLED ON VEHICLE; MOUNTING HOLES IN TOPPER NOT ACCESSIBLE ONCE TOOLBOXES INSTALLED.***



STEP 7 - INSTALL 73740 SEALANT TO TRUCK CAB AND BED SEAMS. BEFORE APPLYING SEALANT, CLEAN ALL SURFACES REQUIRING IT WITH RUBBING ALCOHOL OR EQUIVALENT.

Step 7.1
PLACE 73740 SEALANT ALONG BOTTOM AND SIDES OF BACK WINDOW.

73740

Step 7.2
PLACE 73740 SEALANT ALONG SEAM AT BACK OF CAB AT TOP OF WINDOW.

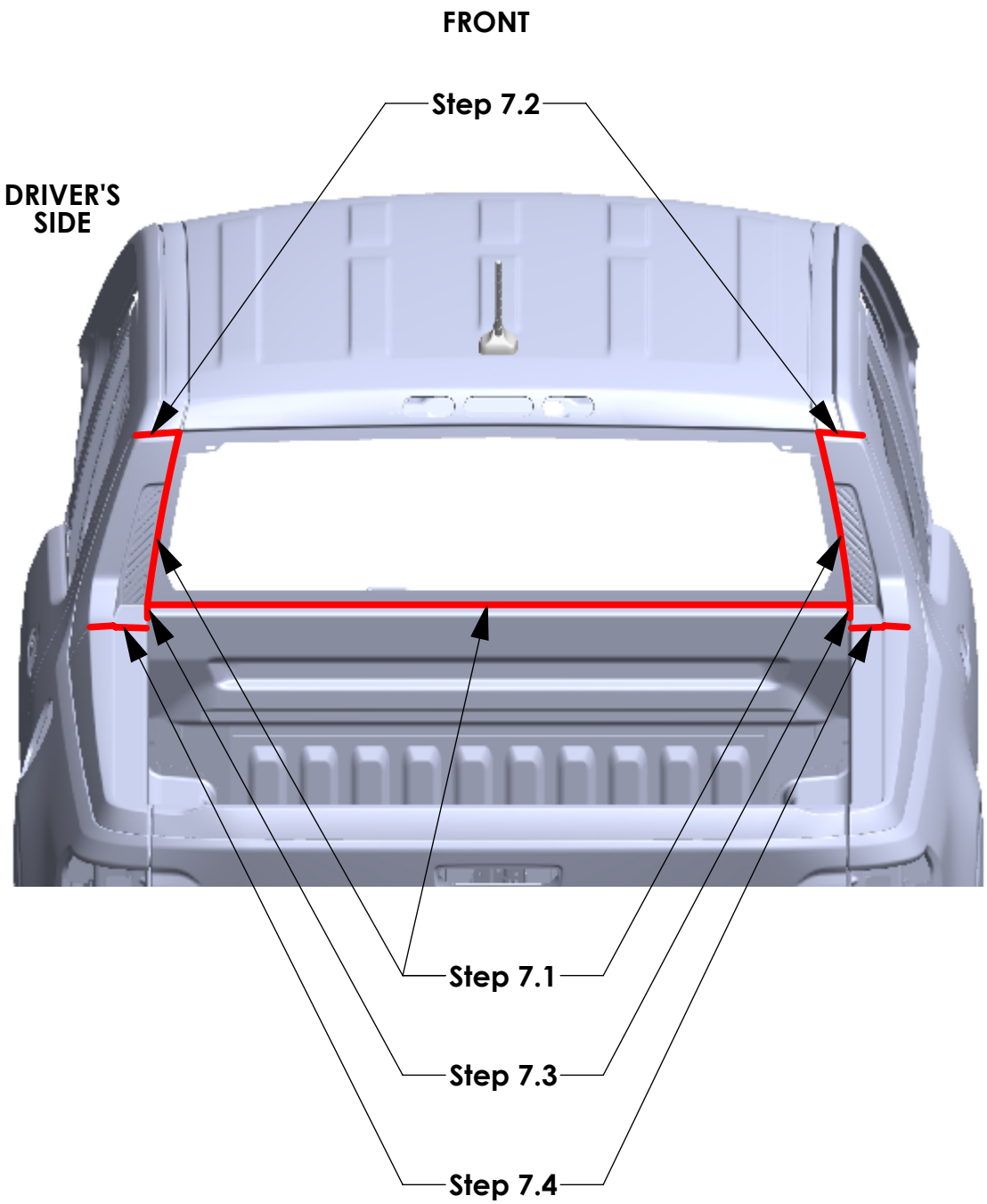
73740

Step 7.3
PLACE 73740 SEALANT ALONG SEAMS BETWEEN FRONT BED RAIL AND SIDE BED RAILS.

73740

Step 7.4
PLACE 73740 SEALANT ALONG SEAMS IN BED RAILS.

73740



STEP 8 - ATTACH SEALS TO TRUCK BED. BEFORE APPLYING SEALS, CLEAN ALL SURFACES REQUIRING IT.

Step 8.1
INSTALL FRONT BED SEAL. SEE DISTANCE OFF OF THE INSIDE EDGE OF THE BED. CENTER FROM LEFT TO RIGHT ON FRONT BED RAIL.

74924
(1 PLACE)

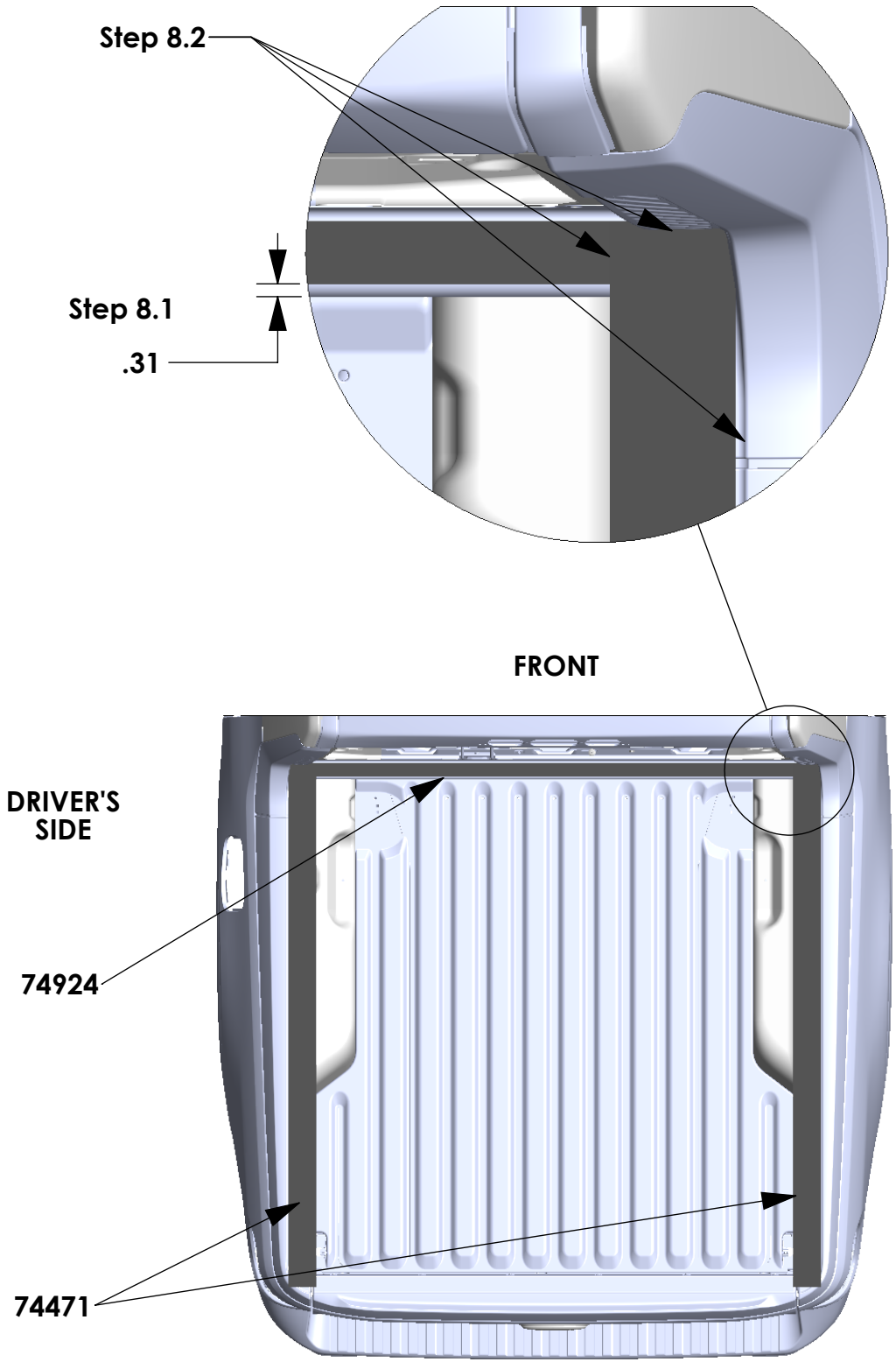
Step 8.2
INSTALL SIDE BED SEALS. ALIGN TO THE BACK OF THE CAB AND ENDS OF 74924 FOAM PIECE.

ANGLE THE BED SEALS ALONG THE LENGTH OF THE BED RAIL TO FOLLOW THE CONTOUR.

74471
(2 PLACES)

DO NOT TRIM EXCESS UNTIL TOPPER IS ON THE TRUCK.

TOP VIEW



STEP 9 - MARK AND DRILL HOLES FOR MOUNTING EXTRA FRAME. MARK HOLES AND REMOVE FRAMES TO DRILL HOLES IN FRONT OF BED AND BED RAILS. DRILL <u>ONLY</u> THROUGH THE PLASTIC ON BED RAILS, ABOUT 1/4".

Step 9.1
PLACE FRONT FRAME 74615 AT FRONT OF BED FLANGES UP. TOUCH BACK OF CAB AND CENTER BETWEEN BED RAILS. MARK (3) HOLES ALONG FRONT TO DRILL TO INSTALL PLUSNUTS. MAKE SURE HOLES IN FOAM LARGER THAN PLUSNUT. MARK (1) ON EACH SIDE TO DRILL TO INSTALL SPACERS.

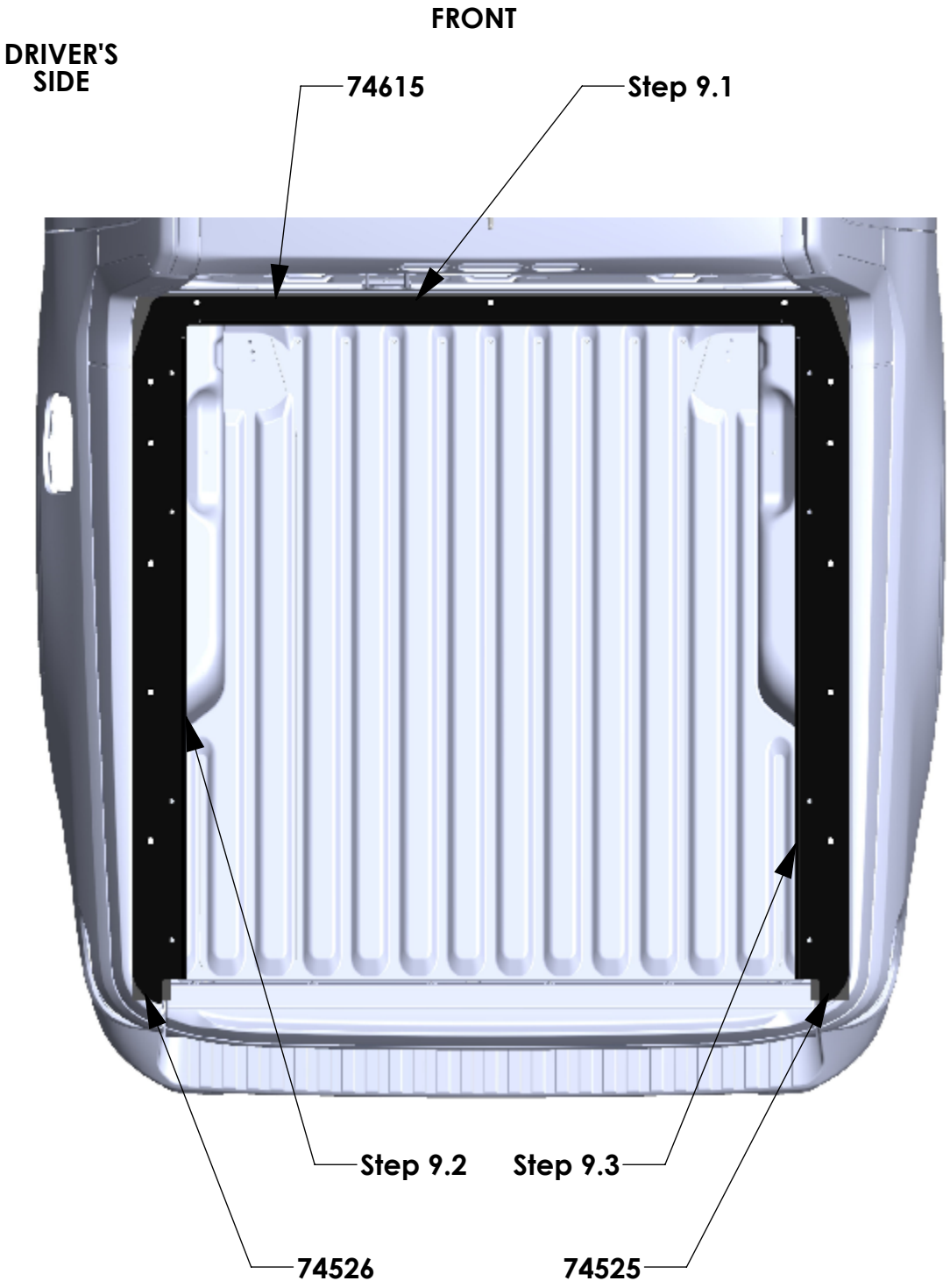
1/2" STEP DRILL BIT
1-3/16" HOLE SAW

Step 9.2
PLACE FRAME 74526 ON DRIVER SIDE BED RAIL FLANGES UP. TOUCH AND ALIGN WITH 74615 FRAME. MARK (4) HOLES SO YOU CAN DRILL TO INSTALL SPACERS.

1-3/16" HOLE SAW

Step 9.3
PLACE FRAME 74525 ON PASSENGER SIDE BED RAIL FLANGES UP. TOUCH AND ALIGN WITH 74615 FRAME. MARK (4) HOLES SO YOU CAN DRILL TO INSTALL SPACERS.

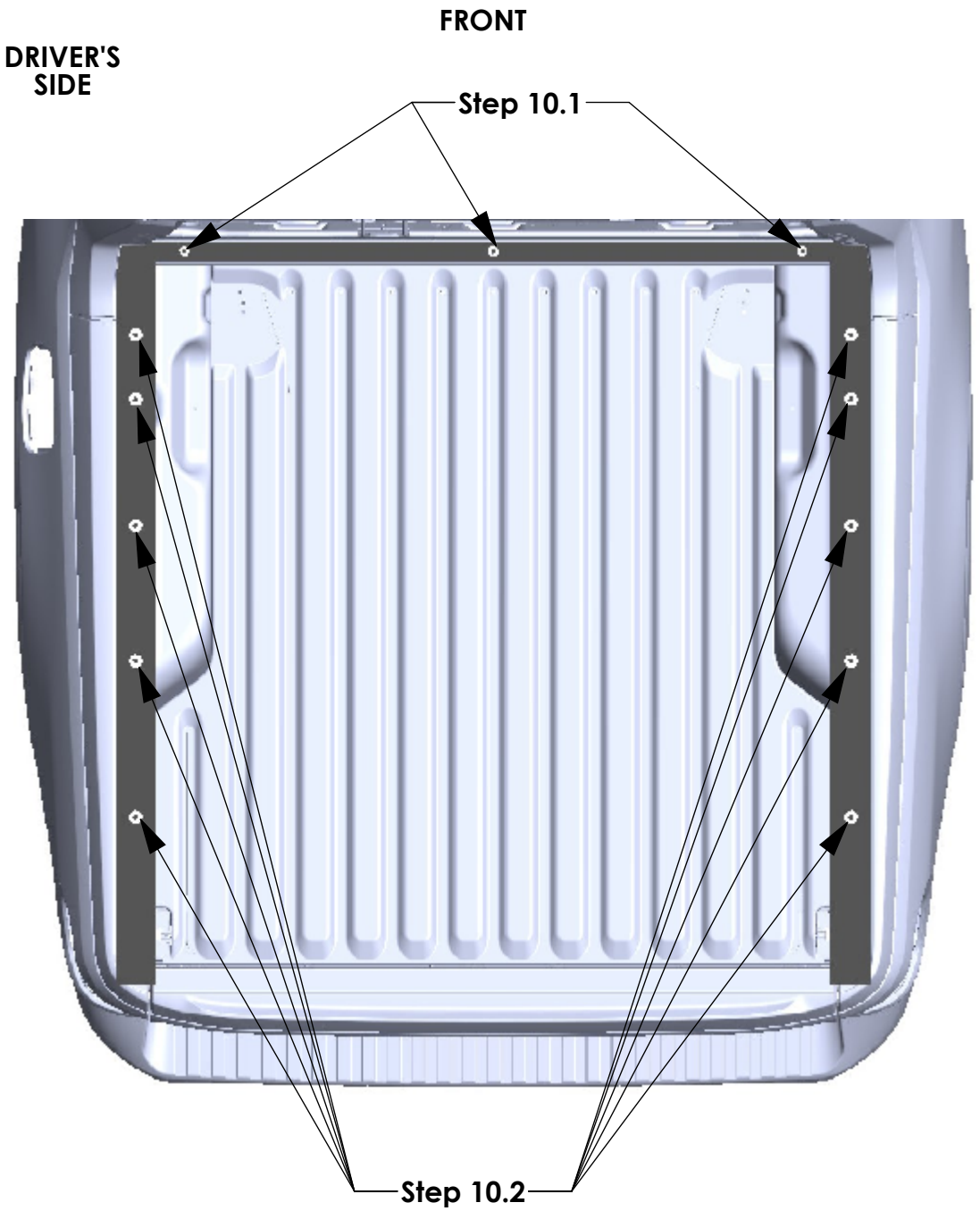
1-3/16" HOLE SAW



STEP 10 - INSTALL PLUSNUTS AND SPACERS.

Step 10.1
SPRAY PAINT NEWLY DRILLED HOLES. ADD SILICONE AROUND HOLE. INSTALL PLUSNUTS. MAKE SURE PLUSNUTS ARE SEATED ON METAL AND NOT FOAM.
FAS0091
SPRAY PAINT SILICONE (3 PLACES)
PLUSNUT SETTING TOOL OR AIR POWERED PLUSNUT SETTING GUN

Step 10.2
PLACE SPACER IN HOLES IN BED LINER.
FAS0831
(10 PLACES)

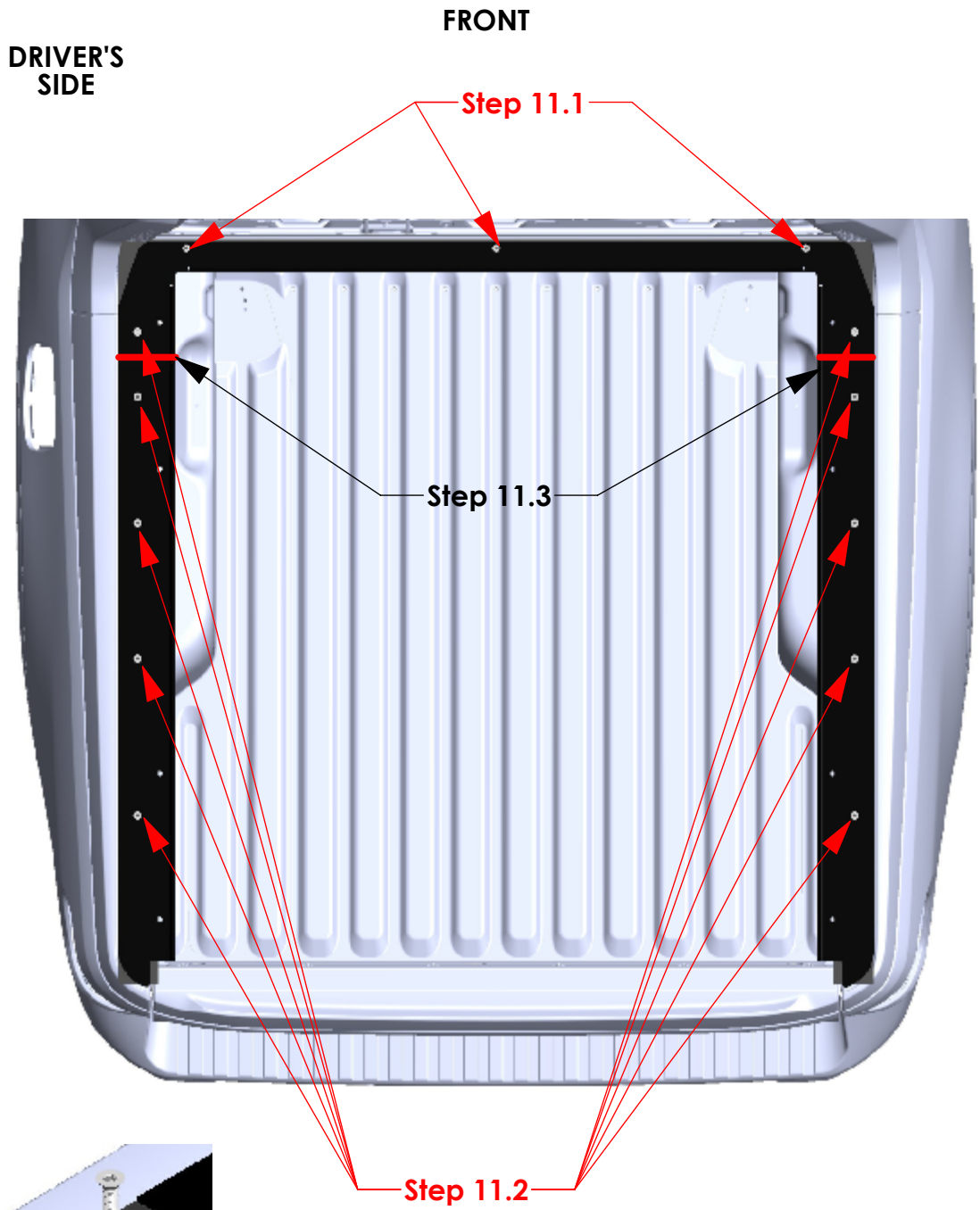


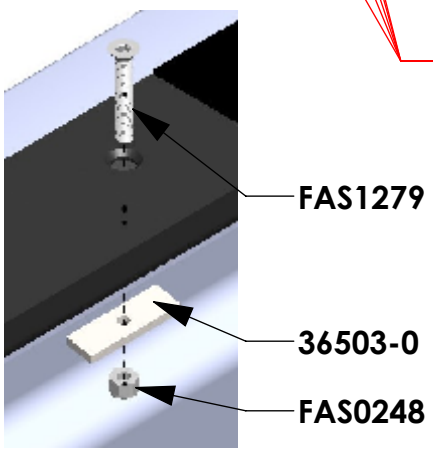
STEP 11 - PLACE FRAMES BACK ON BED AND INSTALL HARDWARE.

Step 11.1
FULLY TIGHTEN
ADD 73740 TO HOLE IN FRAME FOR WATER PREVENTION.
FAS1279
(3 PLACES)
T40 TORX BIT IMPACT DRIVER

Step 11.2
FULLY TIGHTEN
FAS1279
36503-0
FAS0248
(10 PLACES)
T40 TORX BIT IMPACT DRIVER
1/2" WRENCH

Step 11.3
INSTALL 73740 SEALANT WHERE 74525 AND 74526 BUTT UP TO 74615.





STEP 12 - ATTACH ADDITIONAL BED RAIL SEALS TO EXTRA FRAME.

Step 12.1
INSTALL SECOND SET OF SIDE BED SEALS. ALIGN WITH FLANGES OF EXTRA FRAMES AND BACK OF CAB.

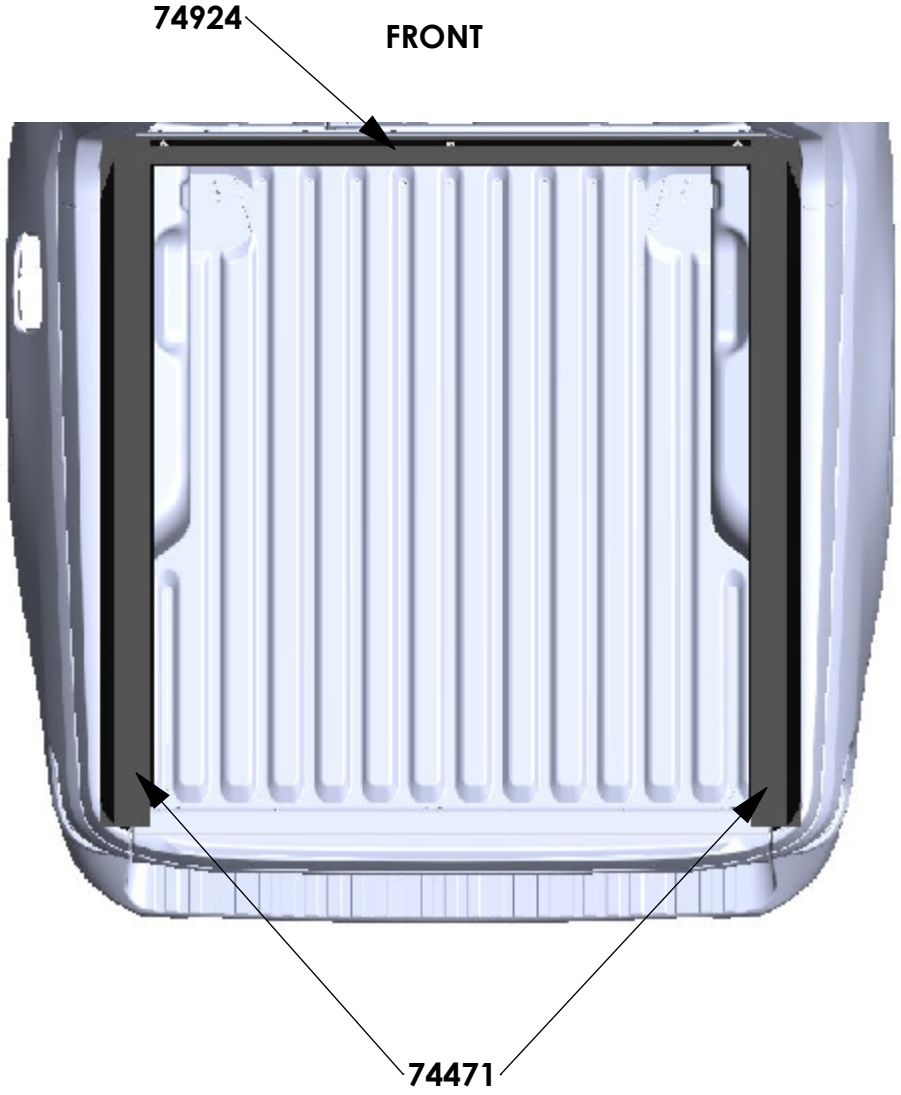
74471
(2 PLACES)

DO NOT TRIM EXCESS UNTIL TOPPER IS ON THE TRUCK.

Step 12.2
INSTALL ADDITIONAL TWO FRONT BED SEALS. PLACE ONE ALONG FLANGE OF FRONT EXTRA FRAME. CENTER BETWEEN SIDE FOAM PIECES. TRIM TO FIT BETWEEN AS NECESSARY. PLACE SECOND FOAM PIECE ON TOP OF FIRST PIECE.

74924
(2 PLACES)

TOP VIEW



STEP 13 - ATTACH TOPPER TO TRUCK BED

Step 13.1
SET TOPPER ONTO EXTRA FRAME ON TRUCK BED. ALIGN TOPPER MOUNTING HOLES IN FRAME WITH EXTRA FRAME.

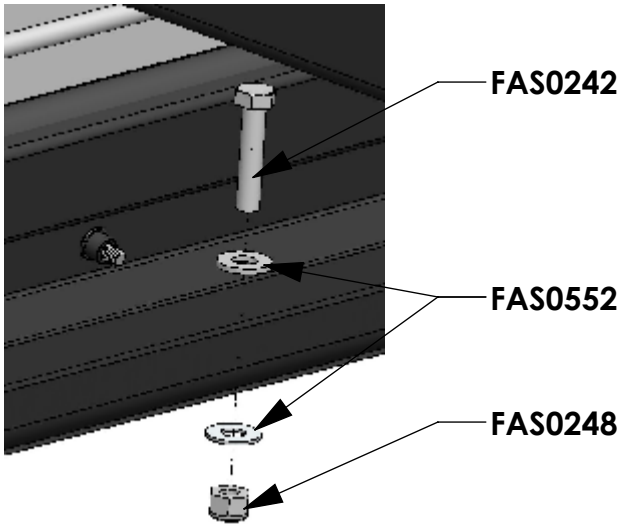
NOTE: IT IS RECOMMENDED THAT YOU LOAD THE TOPPER ONTO A TRUCKBED WITH ONE OF THE FOLLOWING METHODS:

-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 13.2
FASTEN THE TOPPER TO THE EXTRA FRAME.
FAS0242,
FAS0552 x2,
FAS0248

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



MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

STEP 14 - APPLY TRIM SEAL TO TAILGATE AND BACK OF TRUCK.

Step 14.1
APPLY TAILGATE SEAL AS SHOWN.
57698

Prep tailgate seal by cutting into the following lengths:

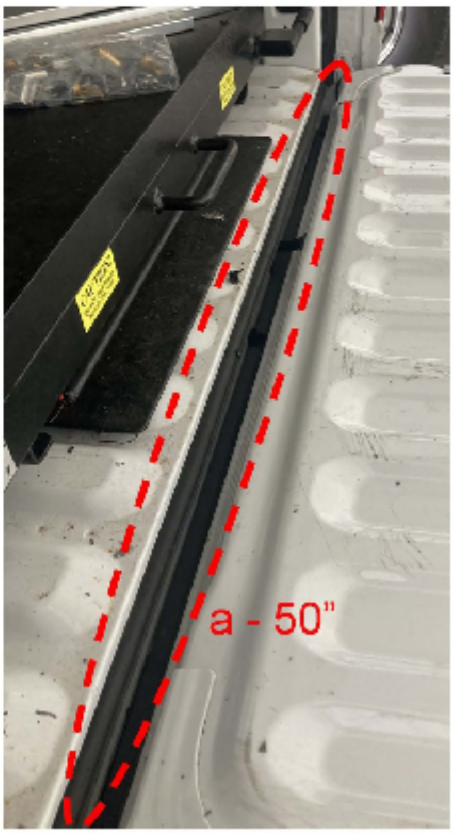
(x1) 50"
(x2) 14"
(x2) 21"

a) Apply trim seal bulb down along bottom of bed, and bulb side in on sides of bed that accepts the tailgate (x1 50" and x2 14" sections).
b) Apply trim seal to overhang on both ends of the tailgate (x2 21" sections). Refer to the images for placement relationship to the edge.

NOTE: IF YOU CLOSE THE TAILGATE AND CAN SEE IN THE BED, THE SEAL WAS INSTALLED IN THE WRONG LOCATION.







STEP 15 - APPLY TRIM SEAL AND FOAM TO INSIDE OF TAILGATE COVER.

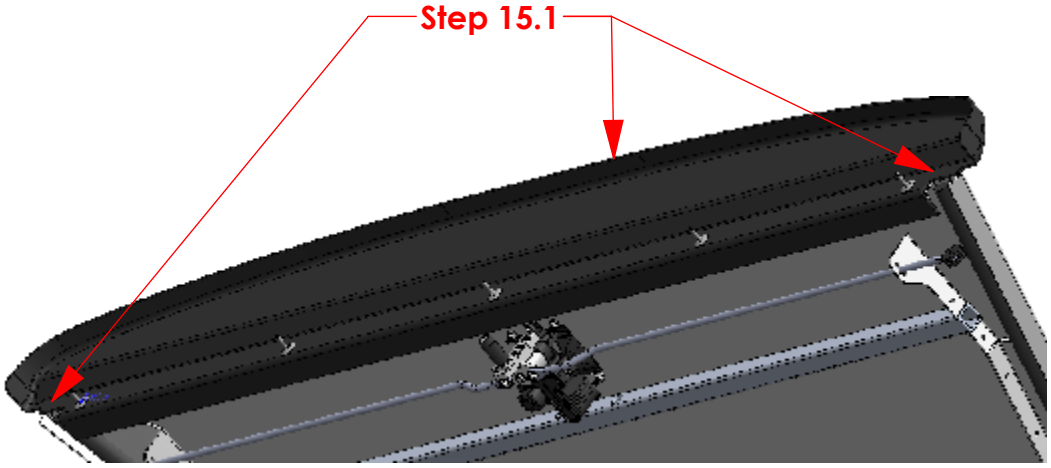
Step 15.1
CLEAN SURFACE WITH ALCOHOL WIPE AND PREP TAILGATE WITH 57392 ADHESION PROMOTER IN LOCATIONS WHERE FOAM WILL BE APPLIED.

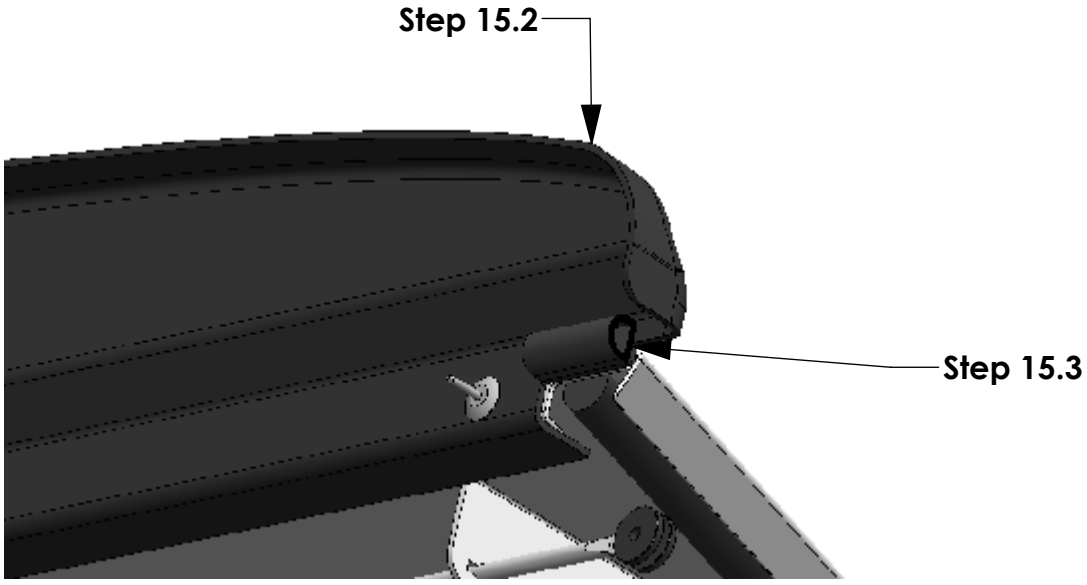
Step 15.2
APPLY TAILGATE SEAL AS SHOWN. USE A ROLLER AND APPLY 15 PSI OVER SEAL FOR PROPER ADHESION. 30020-0

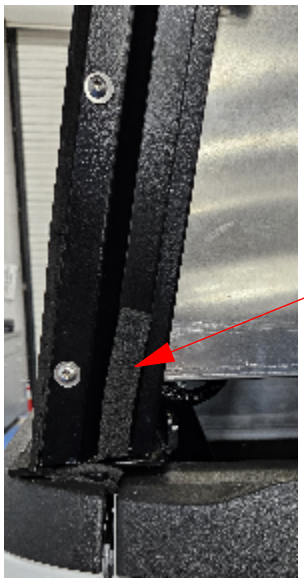
TRIM AS NECESSARY AFTER APPLICATION

Step 15.3
APPLY TAILGATE FOAM AS SHOWN ON BOTH SIDES OF INSIDE OF TAILGATE COVER. USE A ROLLER AND APPLY 15 PSI OVER SEAL FOR PROPER ADHESION. 75114 (CUT INTO 4; SAVE 2 FOR STEP 15.4)

Step 15.4
APPLY FOAM AS SHOWN ON BOTH SIDES OF REAR END OF TOPPER. USE A ROLLER AND APPLY 15 PSI OVER SEAL FOR PROPER ADHESION. 75114 (2)







STEP 16 - APPLY SILICONE TO INSIDE FRONT CORNERS.

Step 16.1
APPLY A 4" STRIP OF SILICONE TO BOTH INSIDE FRONT CORNERS



Introduction / Comments:

Install Instructions Topper 3rd Brake Light - Ford Maverick

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.





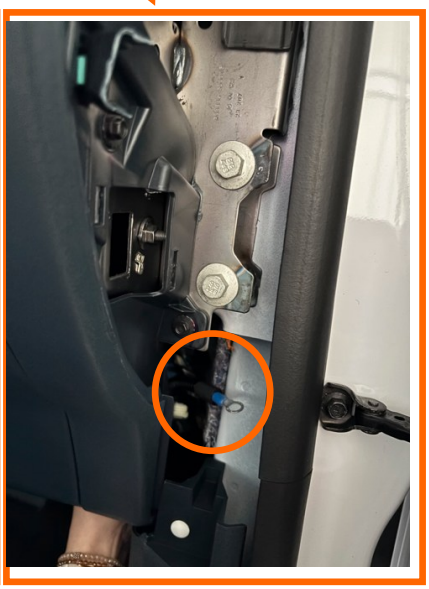
Installation Instructions for Topper 3rd Brake Light: Ford Maverick

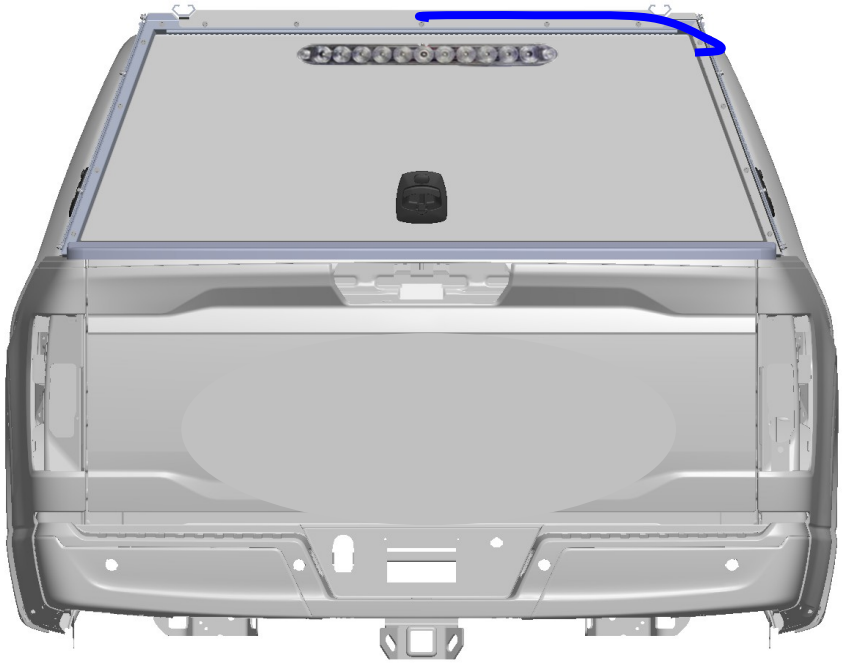
Routing Overview











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

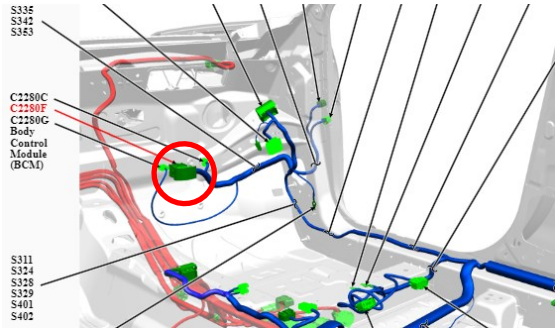


Step 1: Locate the brake light harness 71680.

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

Open the passenger side door. Use a trim tool to remove the trim panel circled in red.

Also, remove the side trim panel.

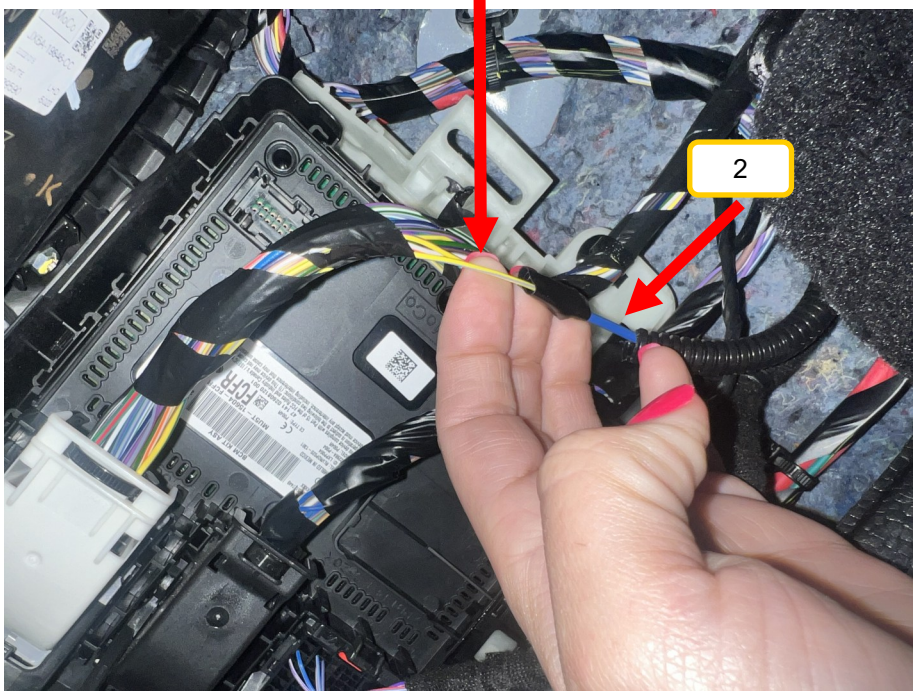


Step 2:
Locate the body control module behind the passenger's side dash panel, right footwell.

Locate the White connector (C2280F) on the BCM Module. Find pin 61. This wire will be Yellow / Gray. This is the high mounted stop lamp signal wire. Use a meter to be sure this is the correct wire.

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

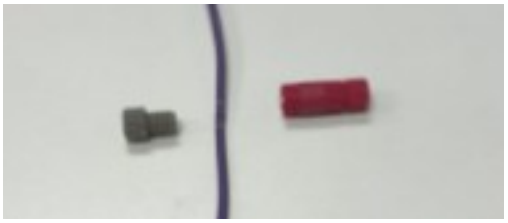
Locate the posi-tap in the brake light harness bag.



Please Note:
- Arrow 1, shows the OEM yellow/gray wire.
- Arrow 2, shows wire that will connect using posi-tap
- This image is for reference. The use of electrical tape after the posi-tap is not needed.



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

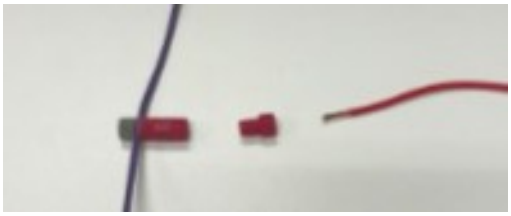


Step 3: Remove the grey cap on the posi-tap.

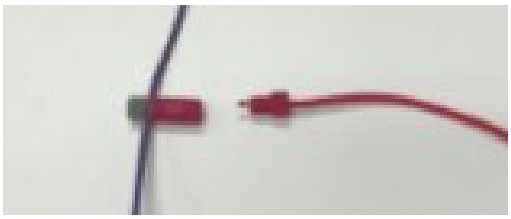
Push the OEM brake signal wire into the insert on the grey cap.



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 3: On the passenger's side: once side trim has been removed, route the negative ring terminal from the harness upward.

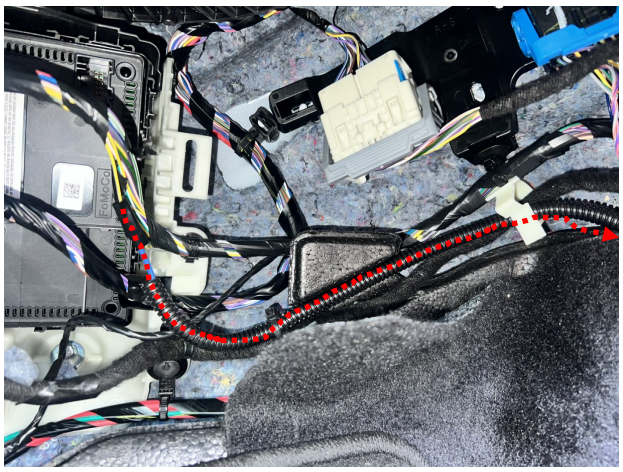
You will ground the negative cable in the area shown in the picture to the left.

Locate the fastener bag containing small tek screw and star washer (FAS0148 & FAS0066).

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.

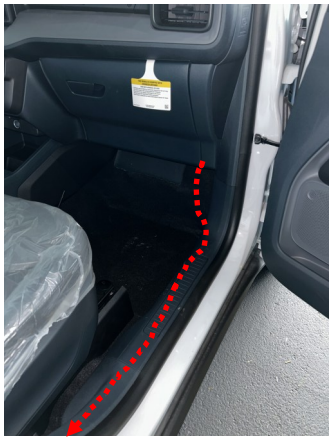
Be sure not to over tighten or under tighten the screw. Be sure there is a good connection by checking the connectivity of the ground with a multimeter. You can do this seeing if there is a resistance (Setting "Ω" on meter) between the OEM copper ground and the new ring terminal.



Step 4: Once proper ground connection has been made, begin routing the Brake Light Harness to the trim piece inside the passenger's side door.

Continue to route harness to backseat through trim piece.

Be sure the harness is not pulling on the posi-tap, and ensure there is a proper connection.







Step 5: Routing (Refer to routing diagrams at the beginning of the instructions)

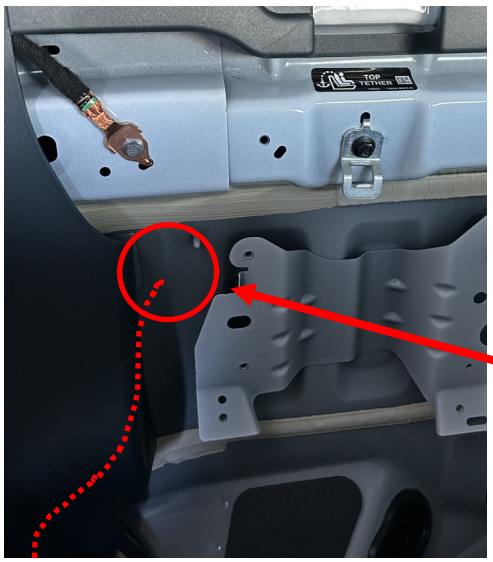
Remove trim piece circled in the image to the left.

Continue to route harness inside trim piece you just removed and route towards the back wall behind the backseat.

Pull the lever to pull the back of the backseat forward to access where to drill.

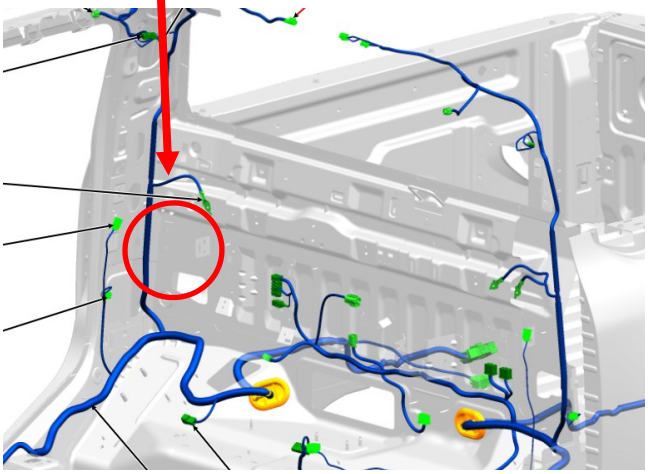
The drill spot is circled in the images to the left.

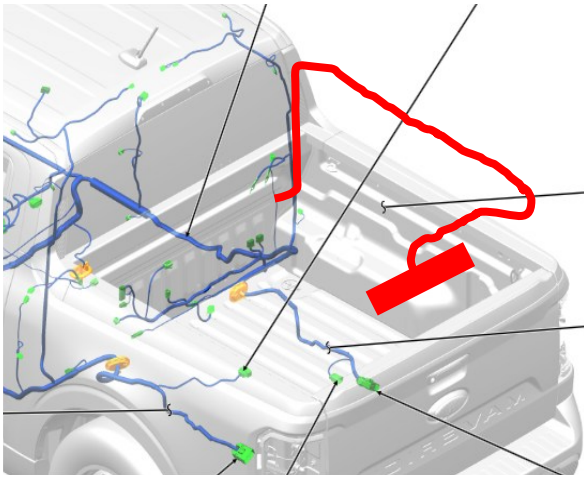
Use a step bit and drill a 3/8” hole to reach bed in location marked in images. Be sure to silicon seal after everything has been routed, secured, and coiled up.



CHECK BEHIND ALL DRILL LOCATIONS







Step 6: Routing continued
Continue routing the brake light harness inside the topper, to the light.

The harness should run up along the passenger's side rear cavity, then across the top cavity to the light (Red line shown in image).

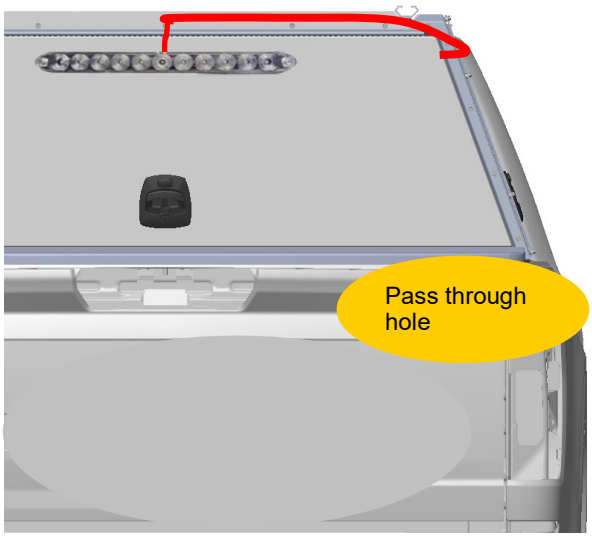
Be sure to leave extra wire from the brake light to the topper rails before securing. This ensures the wires wont brake when the topper door opens and closes.

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.