

Installation Guide for the 2024+ Chevy Silverado/GMC Sierra Heavy Duty Truck Winch (PN 19435527) and Installation Kit (PN 19435528)

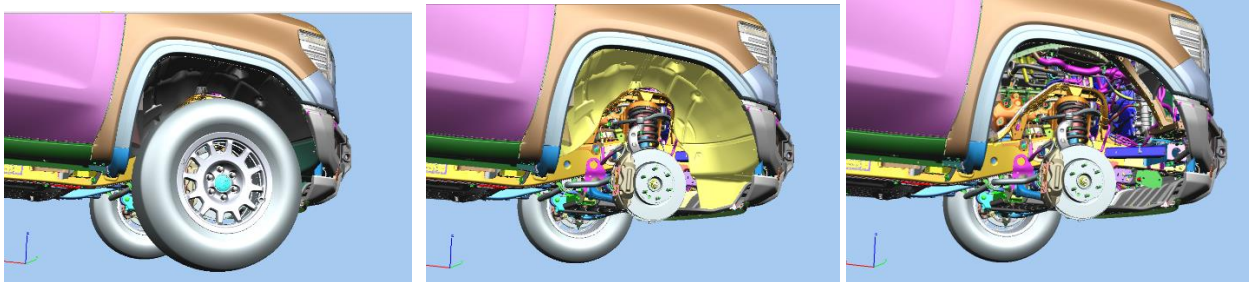
Issue Date: September 22, 2023

Installation Summary

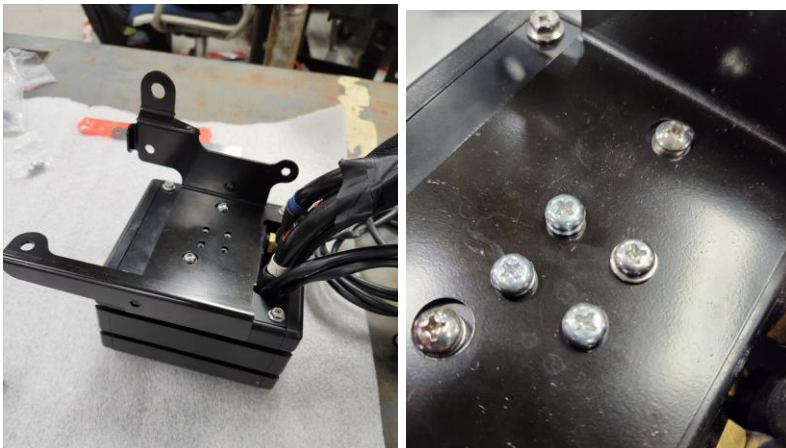
- A. Winch Controller and Mount Bracket Installation
- B. Wired Remote Plug and On/Off Winch Controller Switch Installation
- C. Winch and Fairlead to Bumper Installation
- D. Winch Controller Power Cable, Block Kit (84669070), and Mega fuse Installation
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- F. Center Top Cap Trim and Front Grill Reinstallation
- G. Chassis Ground Cable Attachment for Battery
- H. Winch Hook Installation
- I. Final Winch Operation Check

A. Winch Controller and Mount Bracket Installation

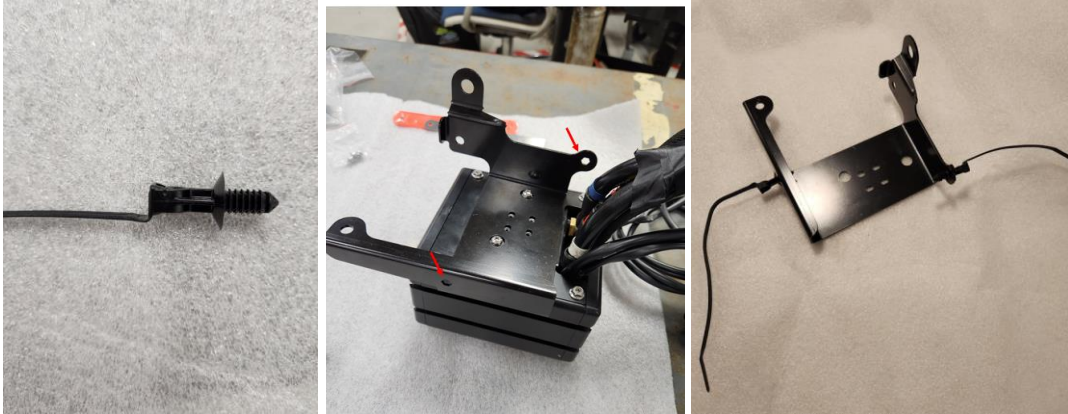
1. Remove the front passenger wheel and wheel liner. This provides access to route the winch controller into position from below.



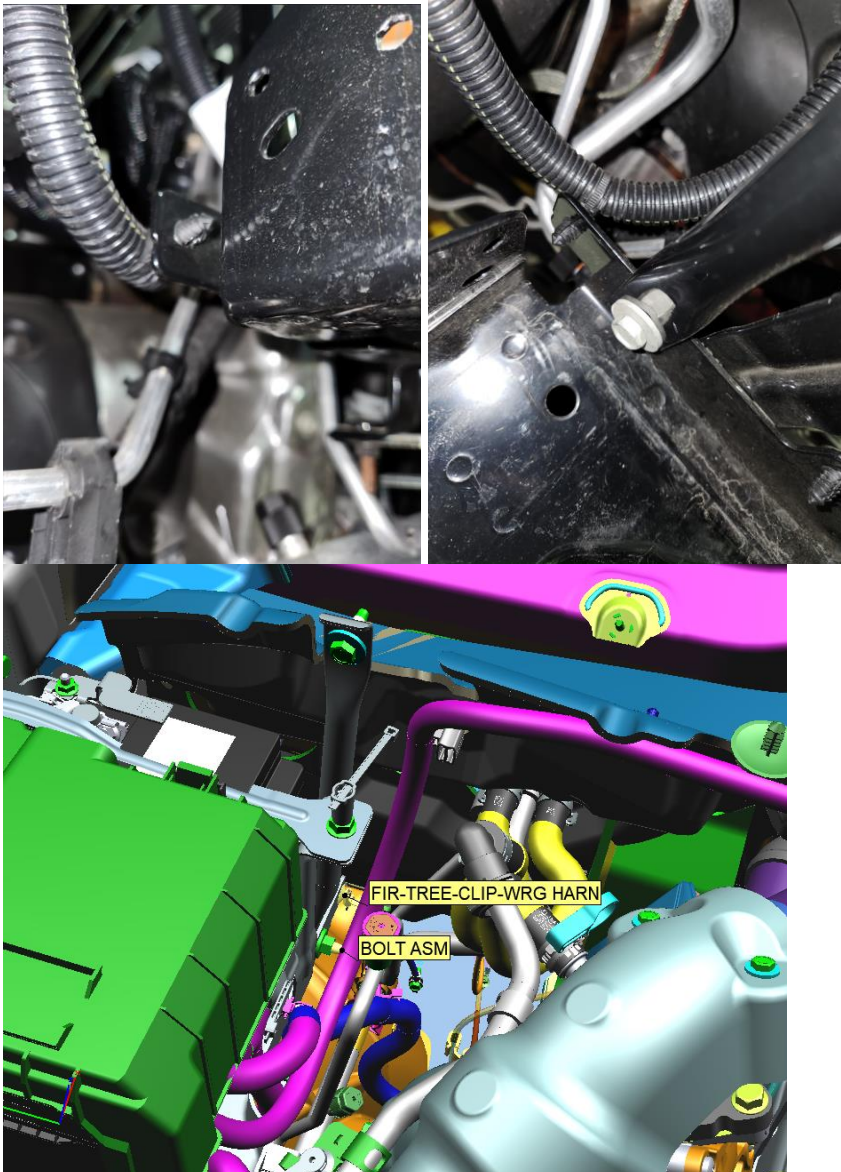
2. Remove battery assembly (See Service Information - Document ID: xxx)
 - a. Remove the battery cross brace with two bolts
 - b. Remove the positive and negative battery terminal electrical connections
3. Attach the winch controller mounting bracket to the winch control module.
 - a. Secure the 4 included M5 screws in the four center screw holes. For each screw place a lock washer under the screw head, and a flat washer between the mount bracket surface and lock washer.



4. Insert the two provided fir tree zip tie clips with 12.5 mm offset in the two winch controller mounting bracket holes as shown.



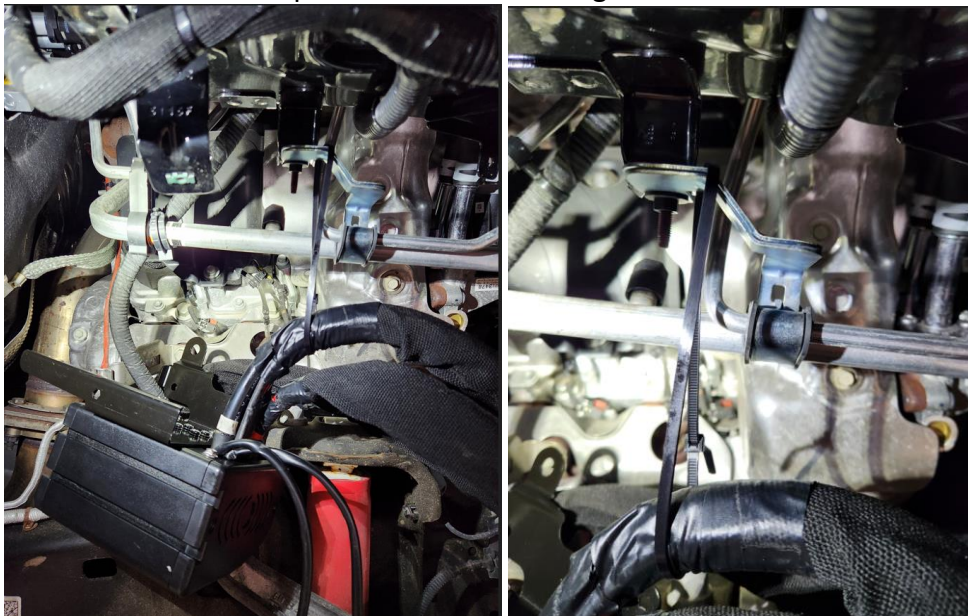
5. With a fir tree clip removal tool remove the clip holding the wire harness to the rear inboard lower corner of the battery tray.



6. At the rear inboard battery tray pencil brace remove the currently installed captured washer bolt. Replace it with the provided M8 x 30 mm long captured washer bolt.



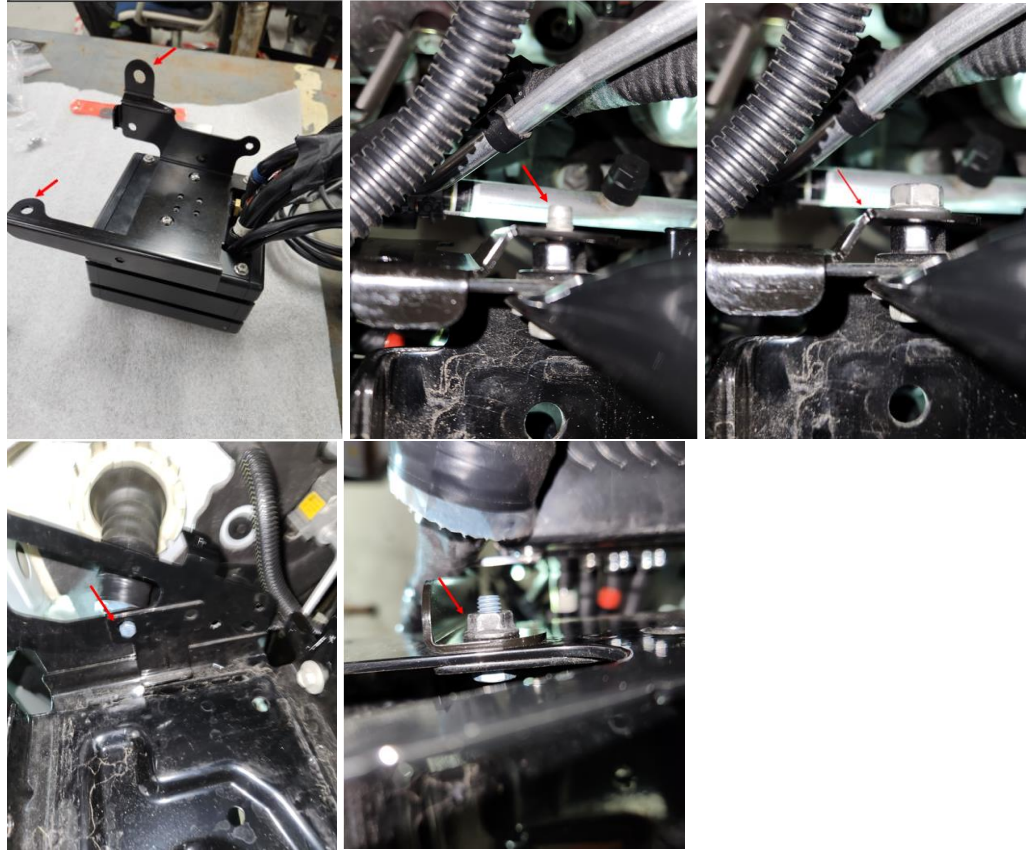
7. Gather the longest included 11 inch zip tie and winch controller with mount bracket assembly. To ease installation, position the winch controller harness under the vehicle battery tray.
 - a. Loosely secure the zip tie around the coolant line suspension bracket under the battery tray and the long winch harness bundle. This allows for easier winch controller manipulation while attaching the mount bracket to the battery tray.



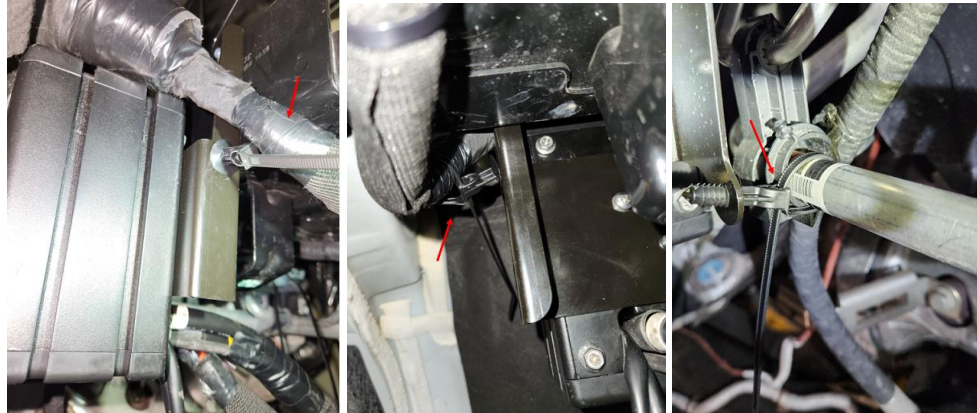
8. Attach the winch controller and mount bracket assembly to the battery tray.
 - a. Move the controller and mount bracket assembly upward and behind the battery tray and below the main body wire harness.
 - b. Position the controller mount bracket upper inboard mounting hole over the inboard battery tray captured washer bolt threads and against the welded in place flange nut (see pictures below).
 - c. Loosely tighten the supplied M8 hex flange nut to the end of the captured washer bolt.
 - d. Position the controller mount bracket upper outboard mounting hole over the rear battery tray wall hole located slightly outboard of the battery tray centerline (see pictures below). Insert a supplied M6 x 16L bolt with the bolt head on the forward face of the battery tray wall through the battery tray wall hole and

mount bracket hole. Install a supplied M6 hex flange nut on the threaded bolt end, and torque to 9 Nm +/- 1.5 Nm.

- e. Tighten the inboard battery tray M8 hex flange nut to 22 Nm +/- 3 Nm.
- f. Reinsert the fir tree clip holding the wire harness to the rear inboard lower corner of the battery tray.

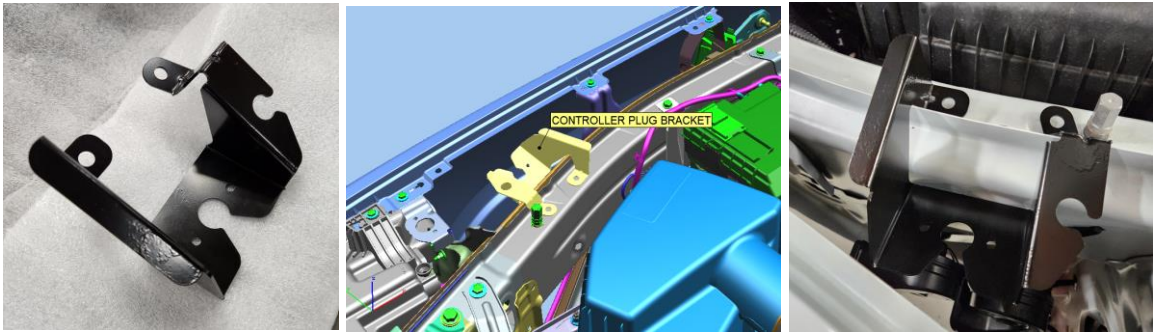


- 9. Secure the outboard off-set clip zip tie to the main body wire harness and the inboard off-set clip zip tie to the AC coolant line. Trim excess zip tie length.



B. Wired Remote Plug and On/Off Winch Controller Switch Installation

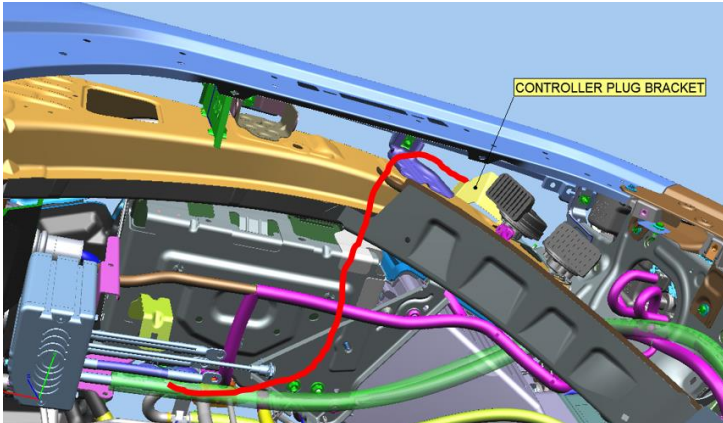
- 1. Loosely drape the small wired remote plug and on/off winch controller switch bracket over the upper front passenger side engine compartment rail behind the chassis ground stud and front head lamp.



2. Route the on/off switch cable (with button) and the wired remote plug wire connected to the winch controller forward along the winch controller to winch harness bundle below the battery tray.



3. Continue by routing both wires up to the mount bracket. Route both wires from below up to the mount bracket between the outboard side of the passenger side upper engine compartment rail and the inboard side of the passenger front fender.



4. Remove the two allen screws and nuts from the wired remote plug. Place the wired remote plug in the secondary bracket receiving hole with the rubber spacer on top of the bracket top surface. Securely tighten the two wired remote plug mounting bolts and nuts on the underside of the bracket.

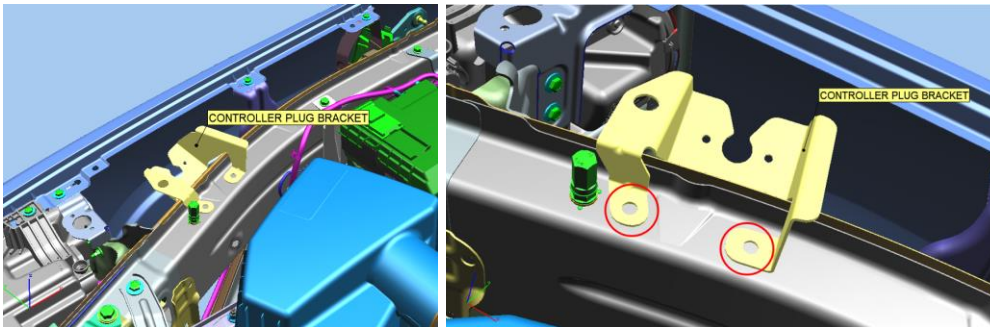


5. Insert the on/off switch button into the front opening in the mount bracket. First, loosen the threaded nut under the switch button flange lip. Next, insert the on/off

switch button into the bracket. Last, securely tighten the threaded nut to the bottom of the mount bracket.



6. Prepare to install the two M8 rivnuts at the two mounting holes of the wired remote plug and on/off winch controller switch bracket. Reposition the mount bracket over the upper front passenger side engine compartment rail behind the chassis ground stud and front head lamp. Mark the holes to drill holes for the two rivnuts (paint pen or marker recommended). Move the bracket out of the way and drill two 13.5 to 14 mm diameter holes at the marked rivnut locations. If metric drill bits are not available drill a 17/32-inch diameter hole, or if drill bits are only available in 16th of an inch increments, then use a 9/16-inch drill bit.



7. Add rust preventative to the two drilled holes.
8. Install the two M8 rivnuts on the upper engine compartment rail for the two bracket bolt mounting points. A rivnut installation tool will be needed.

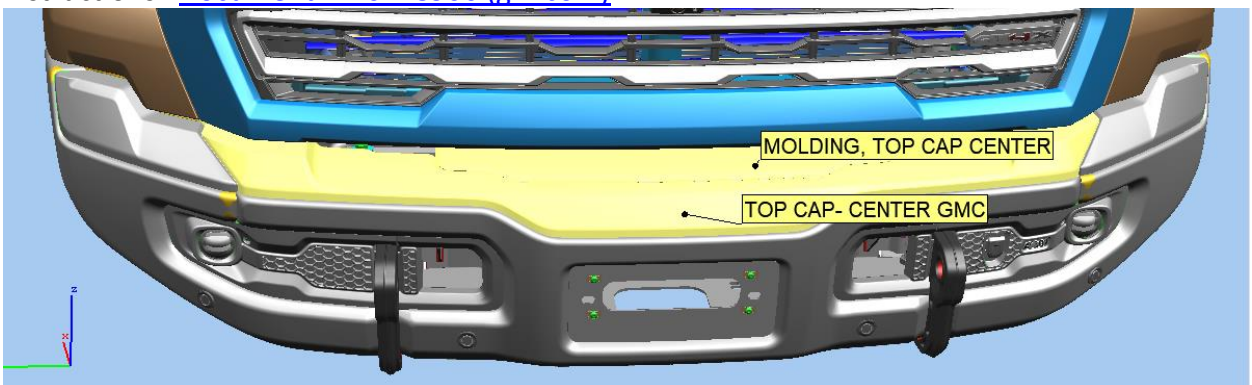


9. Reposition the bracket assembly to the attachment locations. Securely tighten the two M8 bolts at the bracket mounting points. Torque the M8 bolts to 22 Nm +/- 3 Nm.

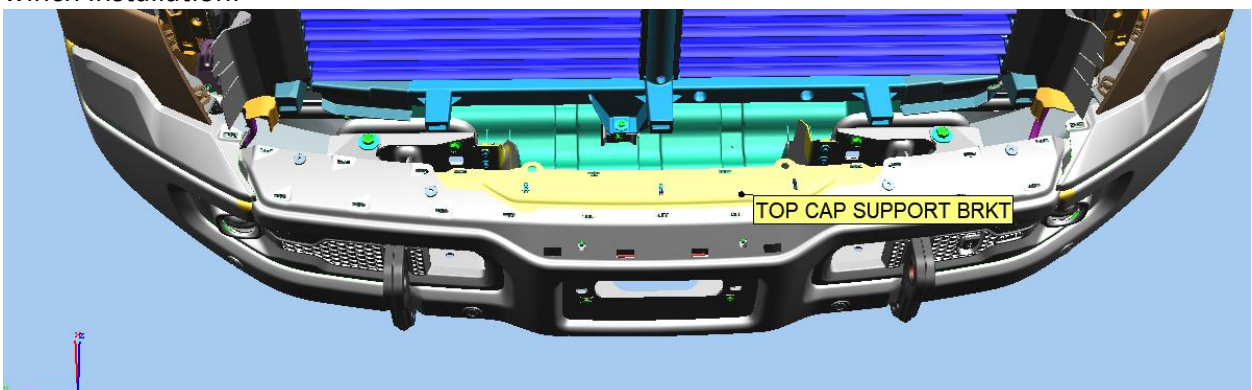


C. Winch and Fairlead to Bumper Installation

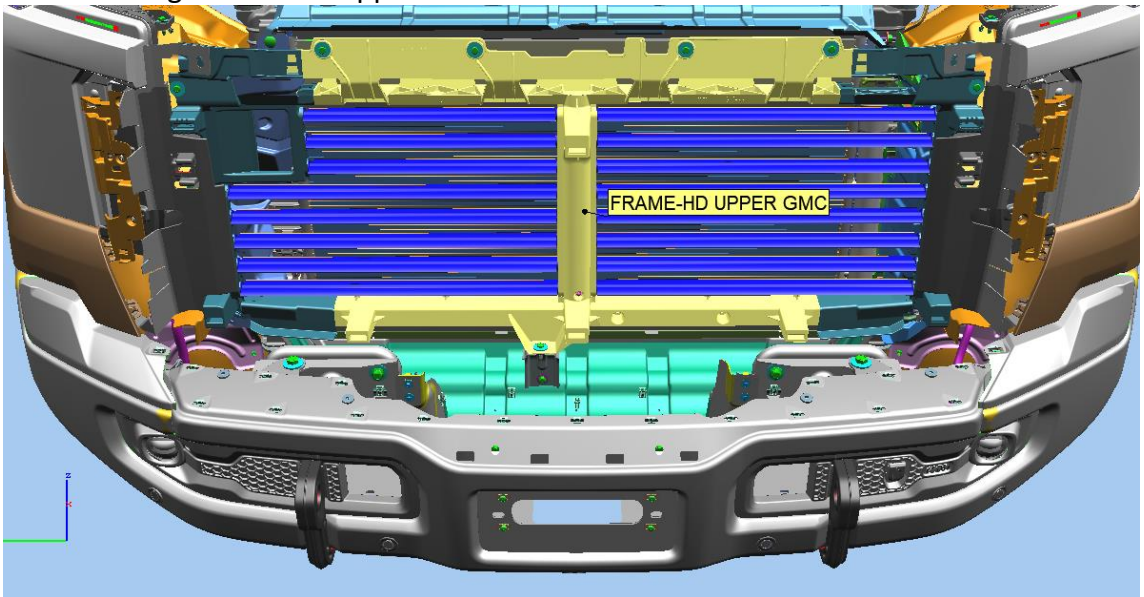
1. Remove the front grille and both the top cap center trim and molding. The top cap molding will not be reinstalled in the truck after winch installation. Keep the top cap center trim for reinstallation. **DO NOT remove the front bumper from the truck.** Refer to Service Information Document ID: 6218906 for removal and reinstallation instructions. [Document ID: 6218906 \(gm.com\)](https://gm.com)



2. Remove the Top Cap Support bracket. This part will not be reinstalled in the truck after winch installation.



3. Remove the grill Frame – Upper.

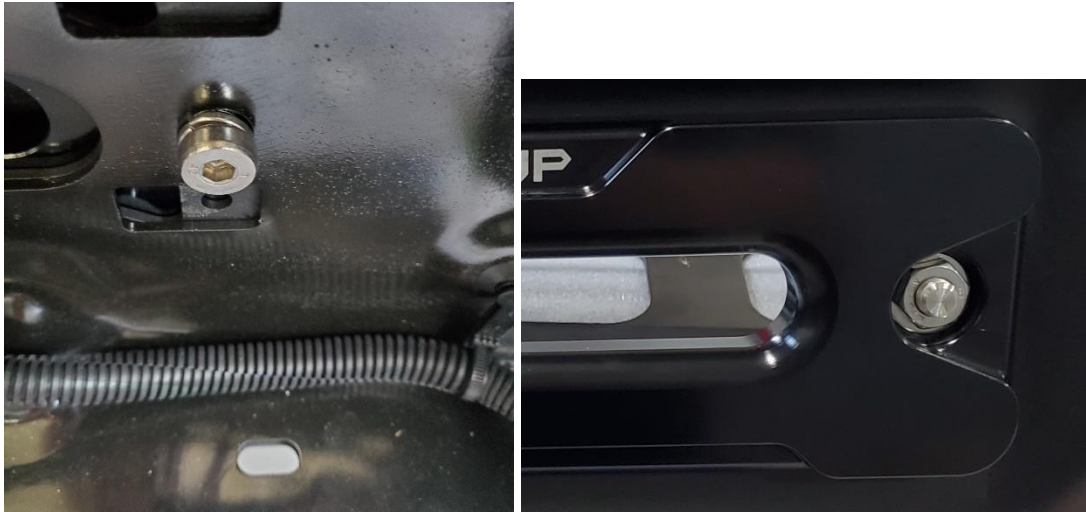


4. Install the “COMEUP” fairlead and front license plate bracket (where required) on the front bumper.
- License plate bracket (where required): Obtain the license plate bracket and fasteners from the installation kit. Align the license plate bracket bolt holes and fairlead window slot to the fairlead’s back side. The license plate bracket will sandwich between the front bumper and fairlead. When properly installed the license plate bracket overhangs on the top side of the fairlead. Attach the bolts and mounting knobs to the bracket. But, do not secure the license plate backer plate and front license plate until later after the winch hook is installed.



- Fairlead: From the winch kit box locate the fairlead and two M10 low profile bolts with washers and nuts. Place the fairlead on the front side of the bumper.

Place the bolt head with lock washer on the rear inboard side of the bumper in two places and press the bolt through the fairlead on the front side. On the forward side add a flat washer and nut in two places. Torque the nuts to 58 Nm each.



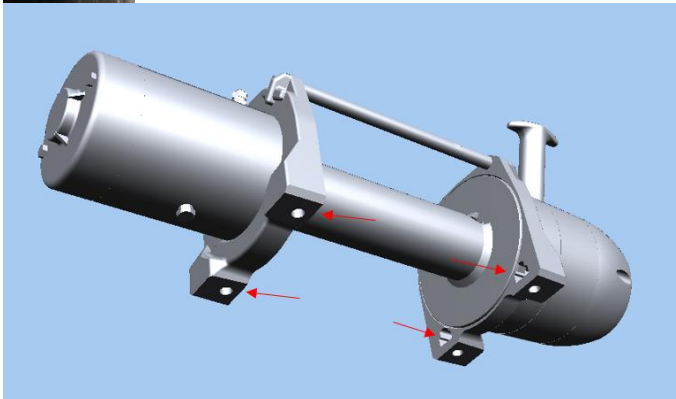
5. At the center front bumper floor, position the two winch mounting spacer pads from the winch kit at the four holes next to the center rectangular window. Locate the two spacer bolt holes that are closest to the spacer edges toward the center rectangular window.



- Using an Allen wrench remove the winch T-handle to avoid damage or scratching during winch installation. Keep the T-handle and Allen bolt for reinstallation.



- Insert square nuts from the winch kit box at 4 places in the winch mounting feet pockets.



- From above lower the winch vertically into the front bumper opening onto the two winch mounting spacer pads. Be careful not to tip the winch, as the 4 square bolts may fall out.



9. Use a screw driver or alignment shaft to align the bumper bolt holes with the spacer bolt holes and square nuts in the winch mount feet (see pictures below).

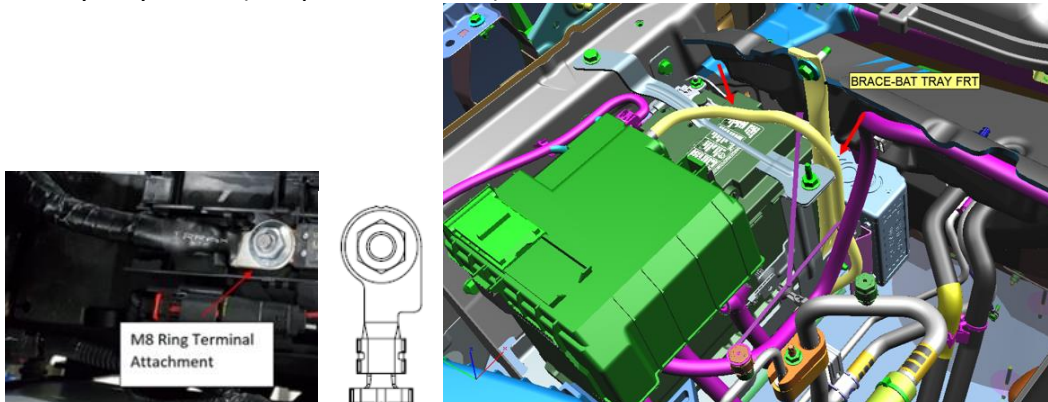


10. Secure the winch to the front bumper with the four M10 x 45 flange hex head bolts from the winch kit box. Install the bolts from below at the four winch mounting feet into the square nuts. Torque the four bolts to 58 Nm.

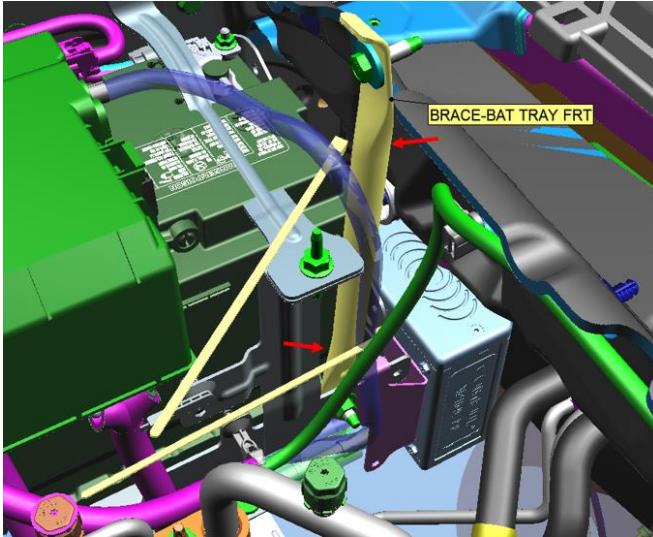


D. Winch Controller Power Cable, Block Kit (84669070), and Mega Fuse Installation

1. Route the winch controller power cable with M8 ring terminal attached from the winch controller to the battery tray inboard side. Route the cable upward along the vertical battery tray brace (see pictures below).



- Secure the winch controller power cable with zip ties to the battery tray vertical brace at two (2) locations at the bottom and top of the brace. Trim excess zip tie length.

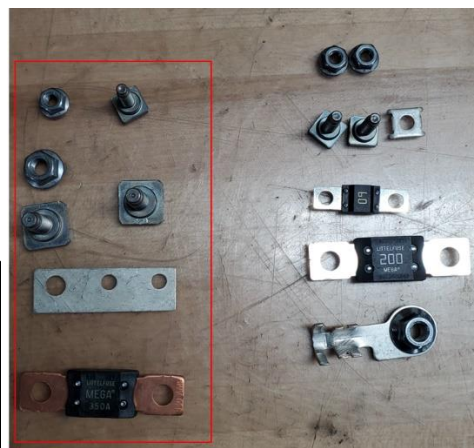


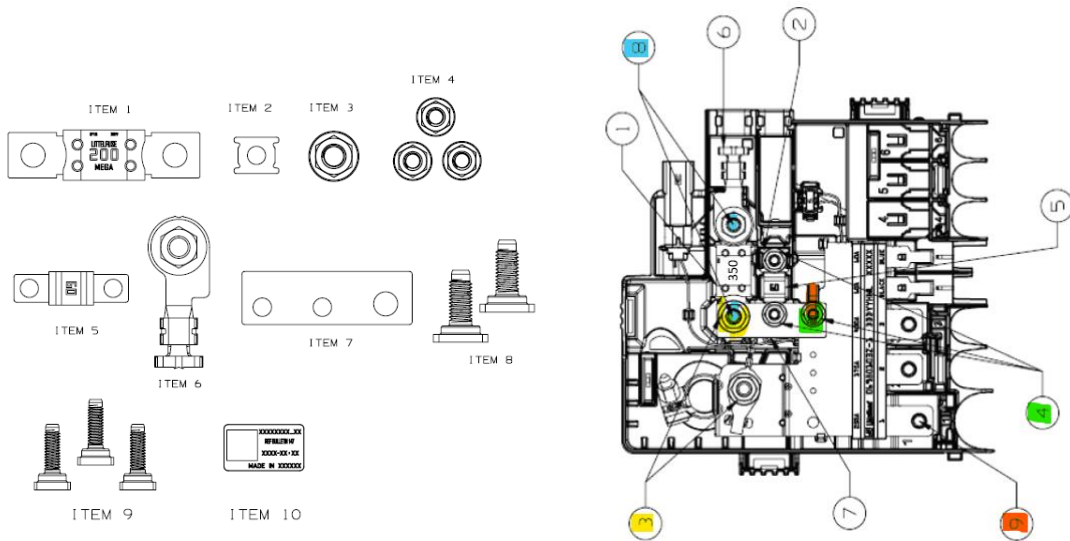
- Remove the top cover from the Prefuse



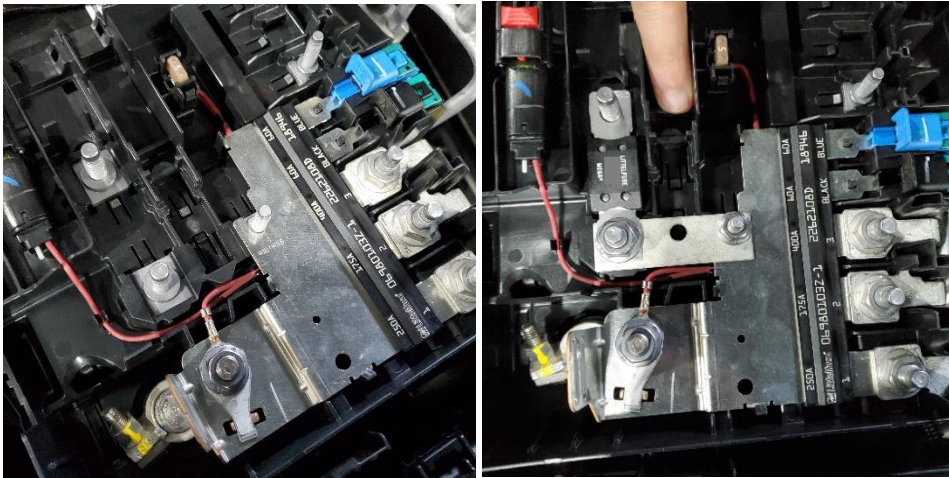
- Install the following components from Block Kit 84669070 contained in the AEV winch installation kit (items 3, 4, 7, 8, and 9) referencing the diagrams and pictures below. Discard the remaining parts in the Block Kit 84669070 (items 1, 2, 5, 6). The 350 A mega fuse will be located in the winch kit.

| Item | DPN | Description | Qty |
|------|----------|-------------------|-----|
| 3 | 15512212 | M8 Nut | 1 |
| 4 | 15512213 | M6 Nut | 1 |
| 7 | 33375927 | Busbar | 1 |
| 8 | 35038621 | M8 Stud, Mathread | 2 |
| 9 | 35038623 | M6 Stud, Mathread | 1 |

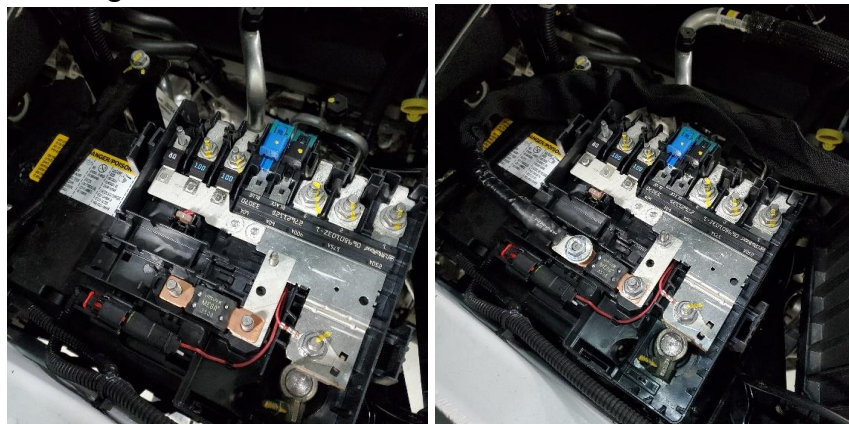




350A Mega Fuse – Note: Discard the 200A Mega Fuse contained in Block Kit 84669070

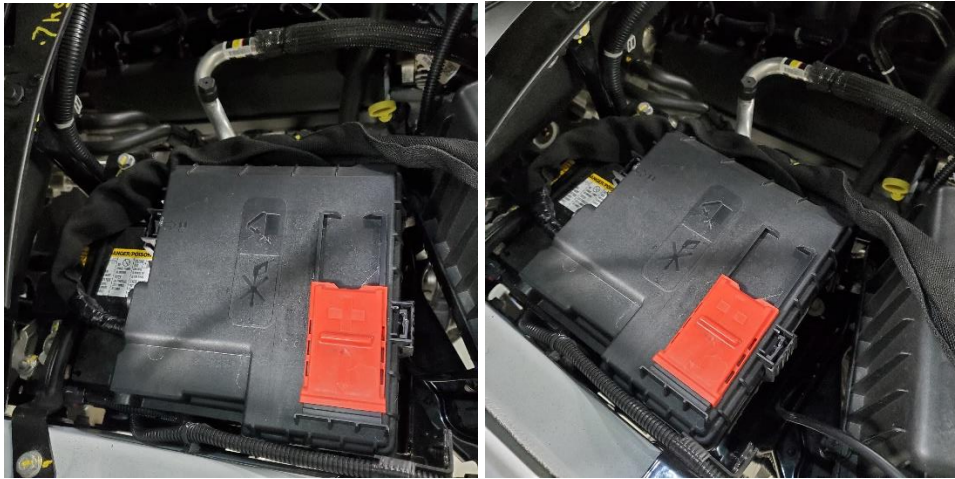


5. Obtain items a (350 A Mega fuse) from the Comeup winch kit box and item b (M8 flange nut) from the AEV winch installation kit. Install the 350 A Mega fuse on the two M8 threaded studs. Place the power cable terminal on the rearward most M8 threaded stud routing the cable as shown below. Secure the power cable terminal to the M8 stud with the M8 flange nut.
 - a. 350 A Mega fuse
 - b. M8 flange nut





6. Reinstall the Prefuse cover.

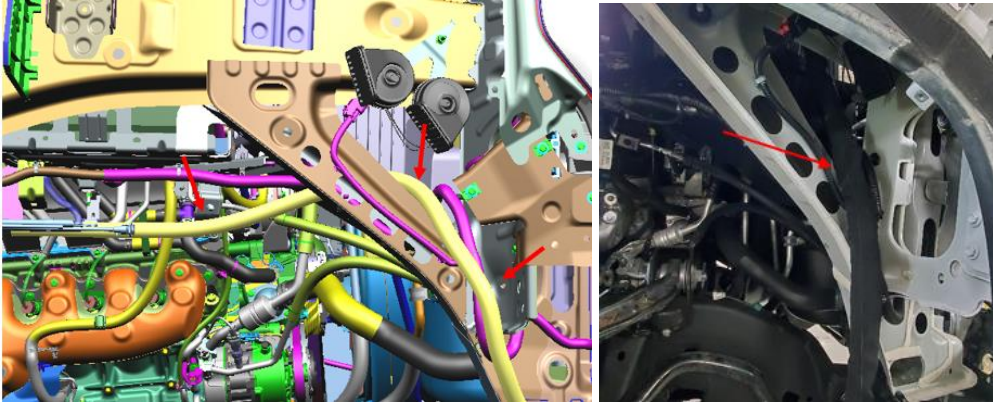


E. Winch Controller Harness to Winch Routing

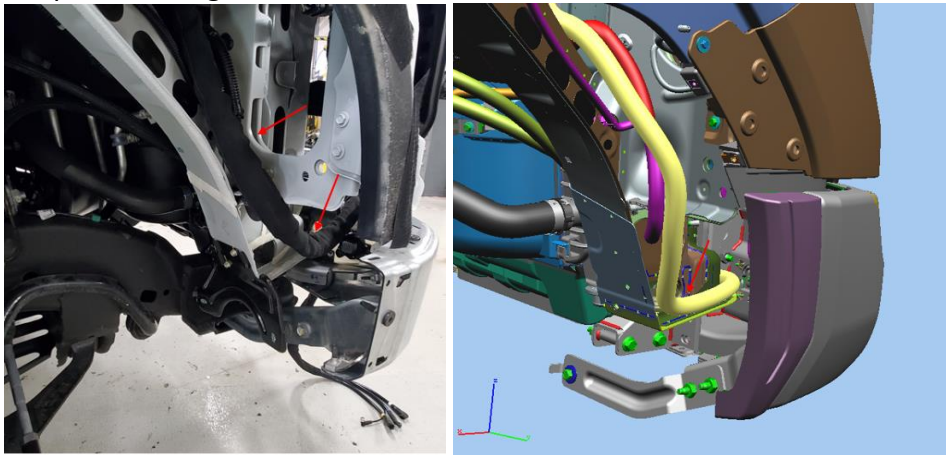
1. Tighten the long zip tie used during the controller installation around the AC coolant line suspension bracket under the battery tray and the long winch harness bundle. Allow enough slack so the winch harness bundle is level with the AC coolant line. Trim excess zip tie length.



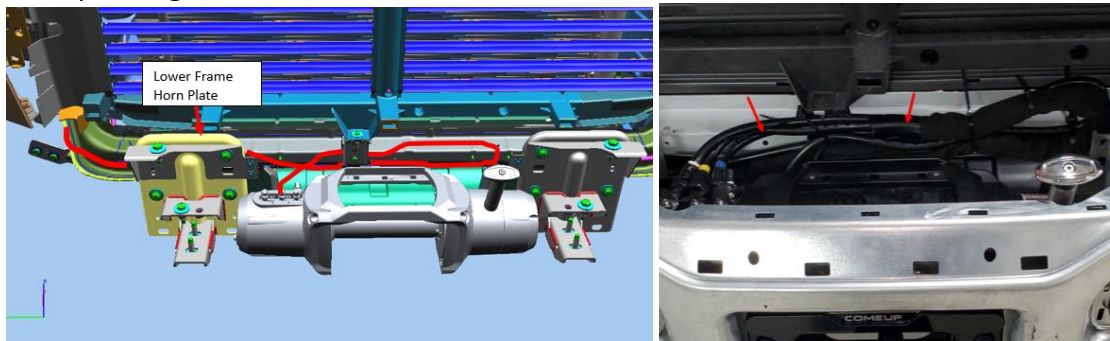
2. Route the controller to winch harness bundle forward underneath the battery tray and inside and between the frame rail inner side and air cleaner outer side. Behind the passenger headlamp continue to route the harness outward and down through the triangular frame opening (see picture).



3. Route winch harness bundle forward through the space between the lower structure and the front bumper. It may be necessary to thread the harness through the opening and pull it through from in front of the truck.

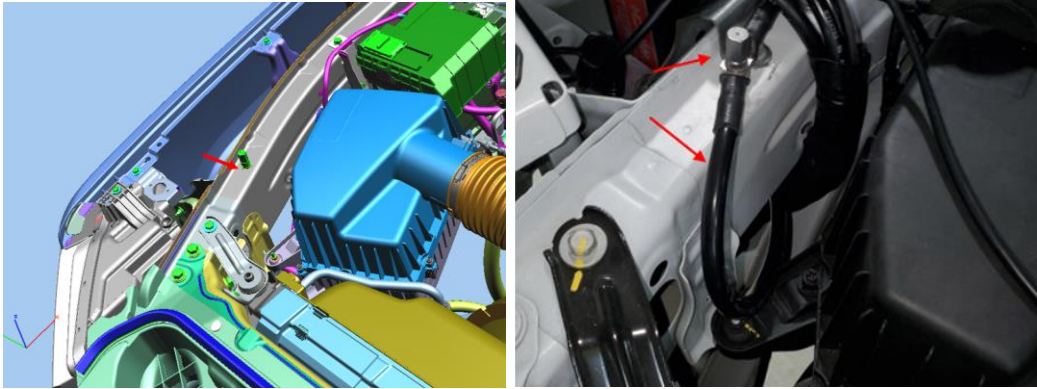


4. Route the harness along the front of the truck tucking it behind the lower frame horn plate with the terminals ending at the top passenger side of the winch. Due to the extra harness length route the harness toward the driver side of the winch, then loop it back to the passenger side winch terminals as shown.

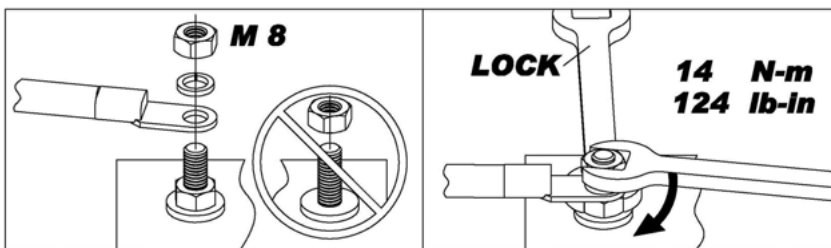
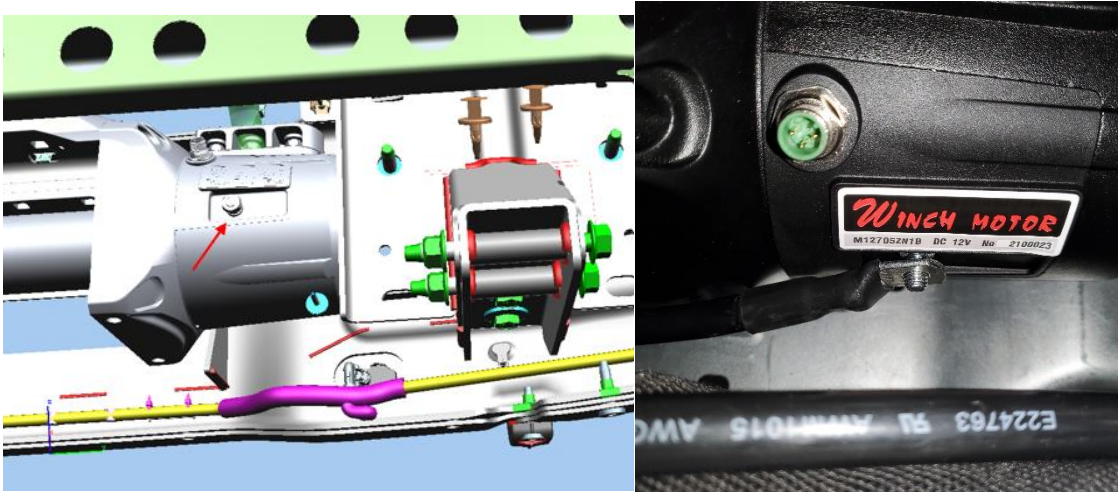


5. Install the separate longer black 2AWG cable from the chassis ground stud to the winch ground. Attach one end to the chassis ground stud located on the upper passenger engine compartment rail behind the front head lamp. Route the other end on the same path as the winch controller to winch harness. Route the chassis ground stud to the

winch ground cable down through the triangular frame rail opening, and then downward and forward to the passenger side of the winch.



6. Secure the end of the chassis ground stud to winch ground cable to the middle terminal on the back side of the passenger side winch motor. Hold the lower nut on the stub and fastening the upper nut clockwise to a torque of 14 Nm. Include a lock washer on each threaded stud per the diagram shown here.



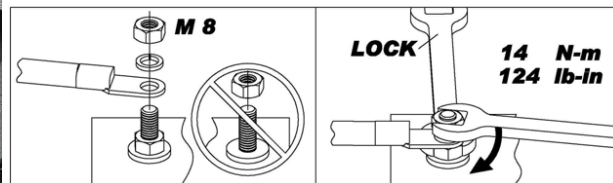
7. Remove the top winch terminal cover by unscrewing the two screws.



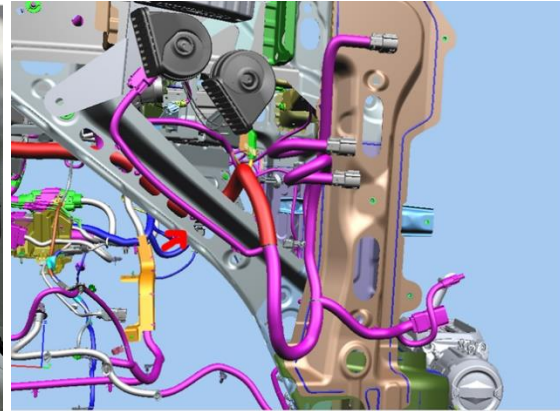
8. Screw the temperature sensor & control ground cable onto the threaded connection just below the three terminals on top of the winch motor.



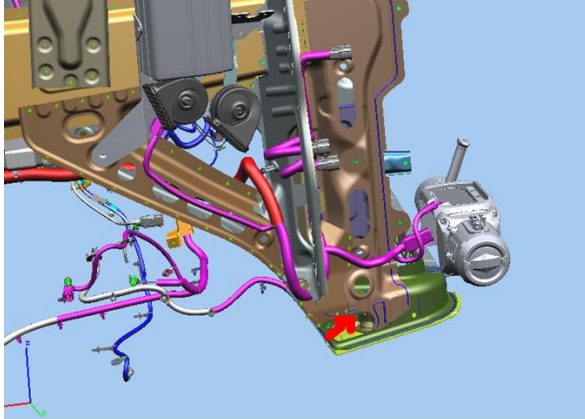
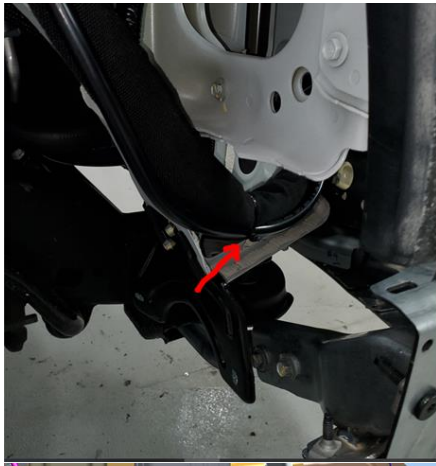
9. Secure the Blue, White, and Yellow marked harness end terminals to the corresponding color winch threaded studs by holding the lower nut on the stub and fastening the upper nut clockwise to a torque of 14 Nm. Include a lock washer on each threaded stud per the diagram shown here.



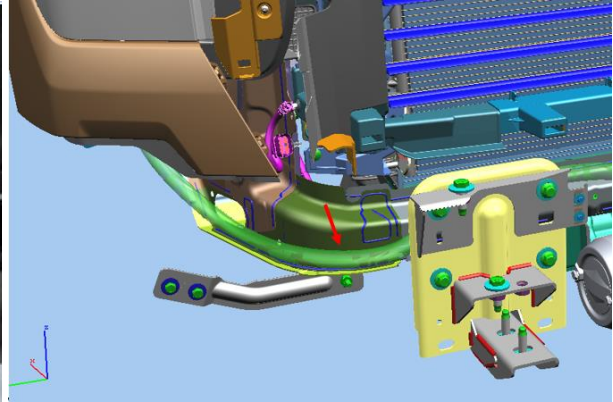
10. Zip tie the winch harness bundle, and the separate longer black 2AWG cable from the chassis ground stud to the winch ground (referred to as the two wire bundles below), together and to surrounding attachment points as shown here.
- a. Zip tie the two wire bundles together at one (1) location to the frame rail below the horn at the triangular opening. Trim excess zip tie length.



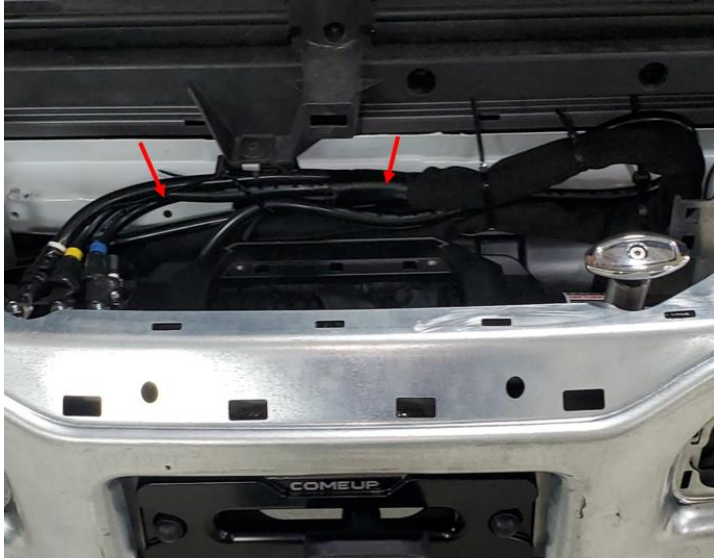
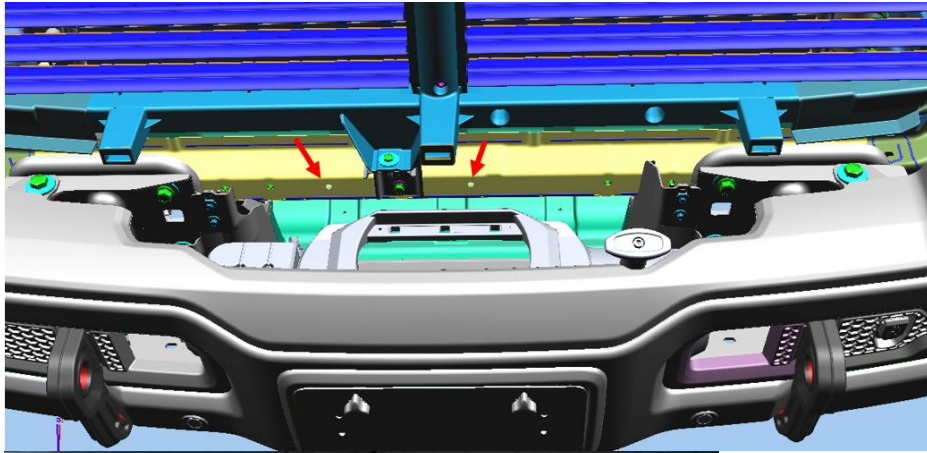
- b. Zip tie the two wire bundles at one (1) point to the bottom front frame rail corner. Trim excess zip tie length.



- c. Zip tie the two wire bundles together at one (1) point at the passenger front frame corner. Trim excess zip tie length. In this step the two wire bundles will not attach to the vehicle structure.



- d. Install two (2) fir tree zip ties in the front bumper open holes next to the center grill mounting bracket. Secure them around the two wire bundles. At the driver side secure the zip tie around the lower and upper bundles that loop back to the passenger side terminal connections. Trim excess zip tie length.

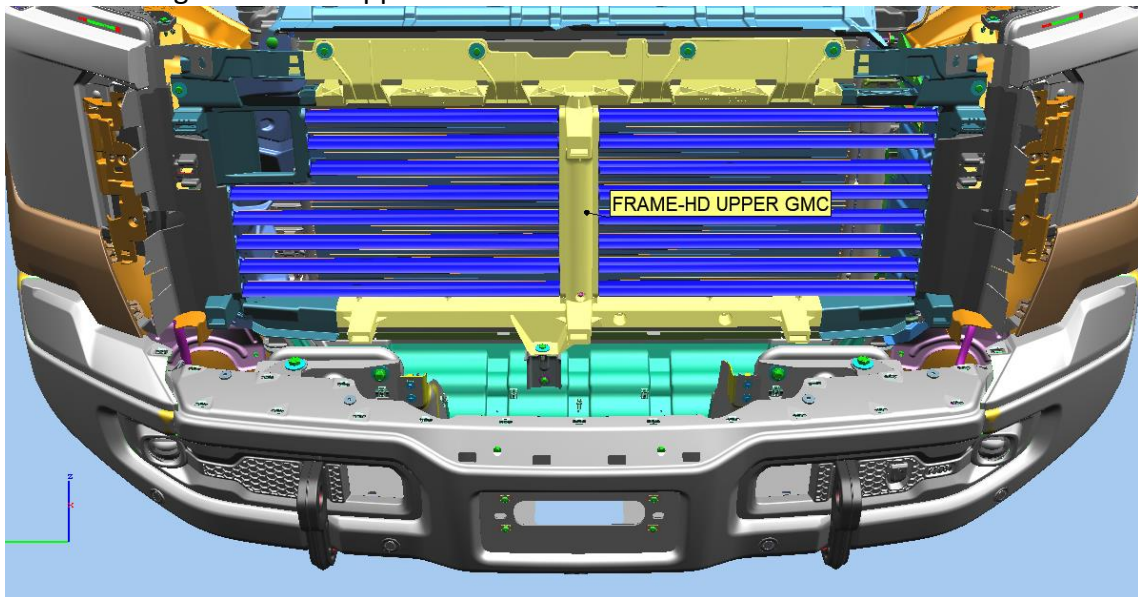


- e. Zip tie the two wire bundles together at two (2) places at the driver side loop. In this step the two wire bundles will not attach to the vehicle structure. Trim excess zip tie length.

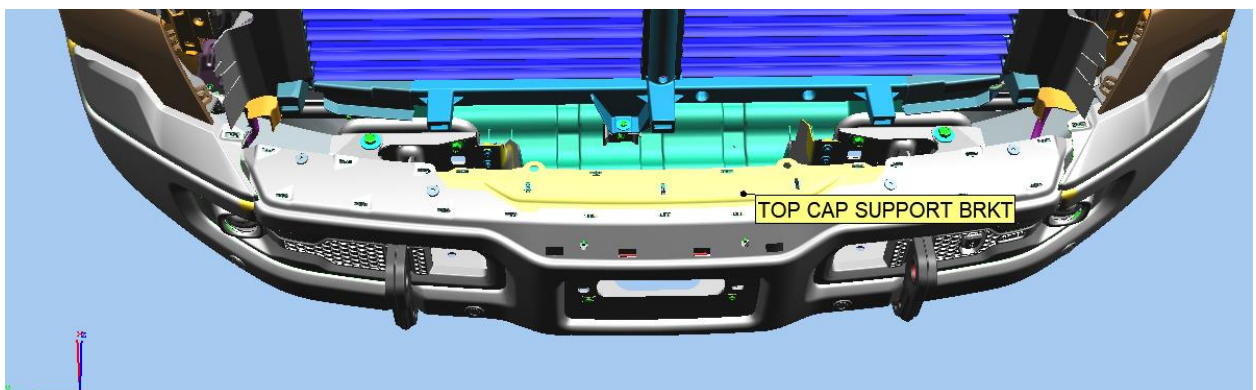
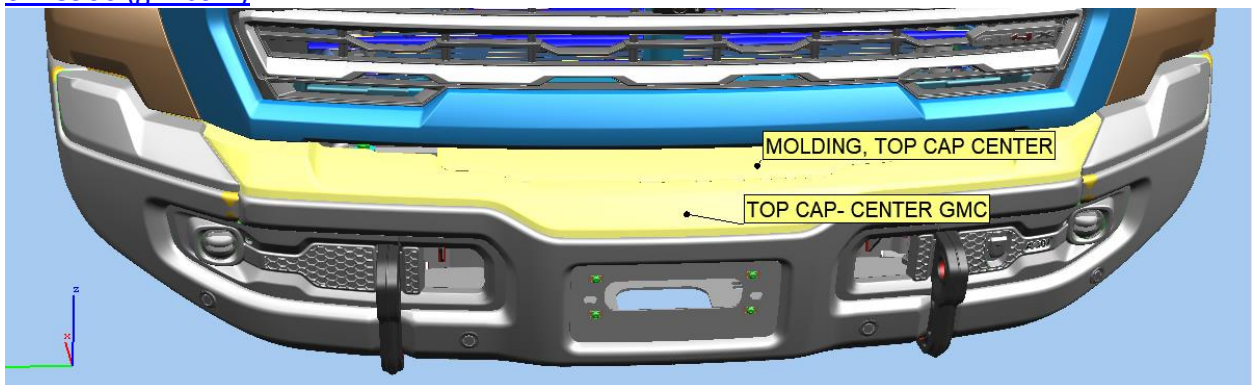


F. Center Top Cap Trim and Front Grill Reinstallation

1. Reinstall the grill Frame – Upper.



2. Reinstall the front grille and the top cap center trim. The top cap molding and top cap support bracket will not be reinstalled in the truck after winch installation. Refer to Service Information Document ID: 6218906 for reinstallation instructions. [Document ID: 6218906 \(gm.com\)](https://gm.com/service-information/6218906)

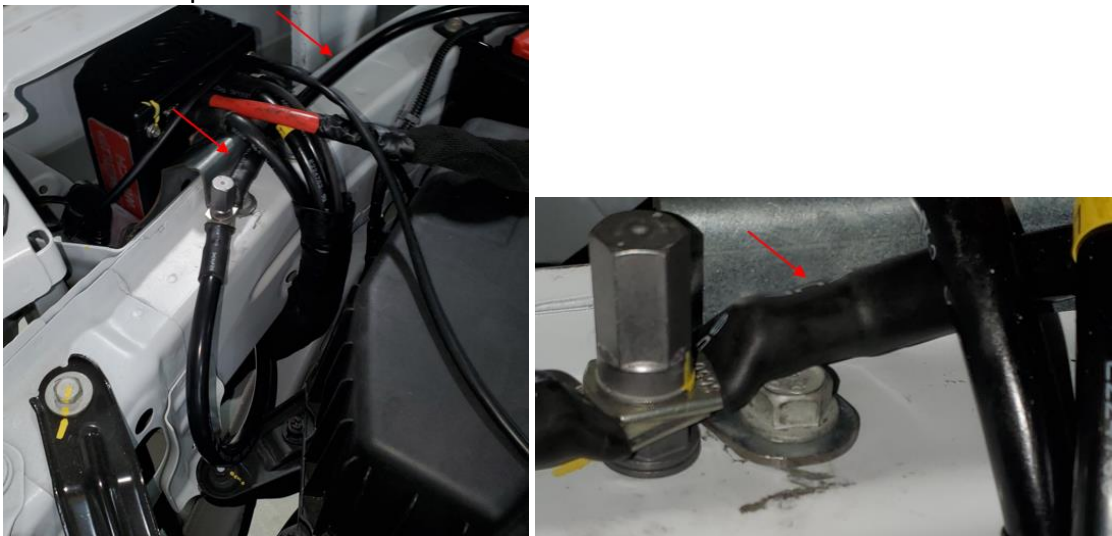


3. Using an Allen wrench reinstall the winch T-handle.

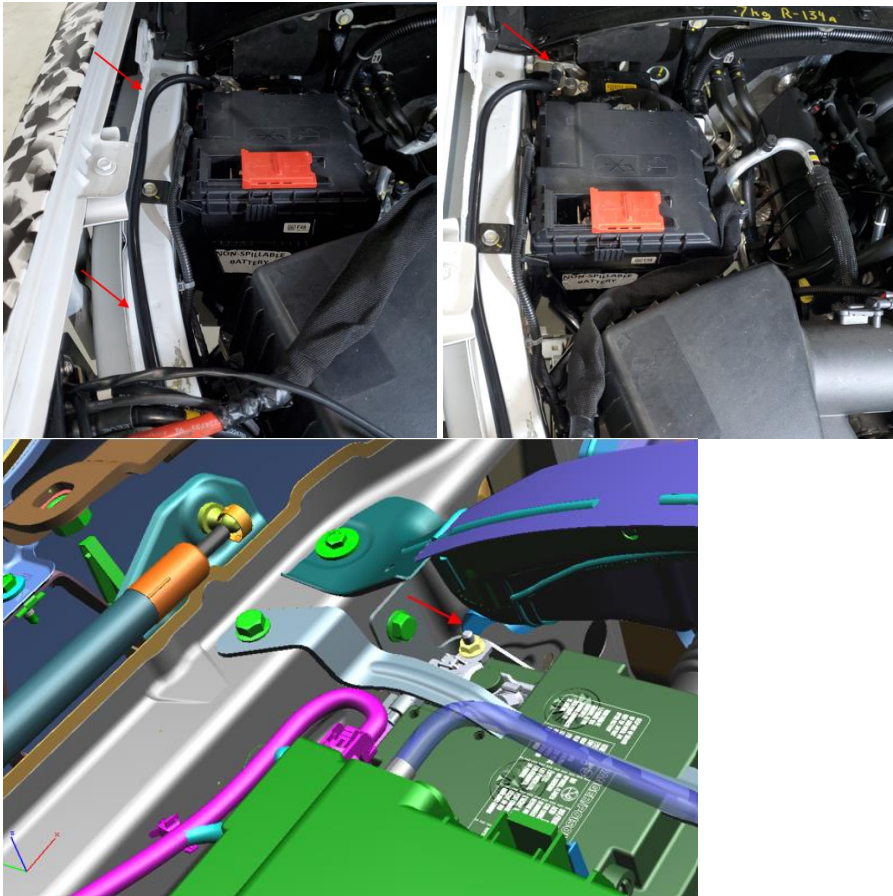


G. Chassis Ground Cable Attachment for Battery Ground

1. Unscrew the Chassis ground stud located on the frame rail in front of the winch controller bracket.
2. Install the separate short black 2AWG cable from the chassis ground stud to the battery negative terminal. Double nest the two ground cable terminals under the chassis ground stud and tighten it to the frame rail. Place the cable routing to the battery negative terminal on top of the cable that routes to the winch.



3. Route to the cable along the top of the frame rail to the battery negative terminal. Secure the battery negative terminal end to the available threaded stud at that negative battery terminal.



H. Winch Hook Installation

1. Install the rubber winch hook isolator over the synthetic rope loop. Install the clevis hook to the synthetic rope loop.



2. (Where required) attach the license plate backer plate and front license plate to the license plate bracket with the bolts and mounting knobs.



I. Final Winch Operation Check

1. As the battery was disconnected **follow the procedure to clear all faults** (See Diagnostic Repair Verification Service Information - Document ID: 1556771). Refer to [Diagnostic Repair Verification](#) in Vehicle Service Manual.
2. Attach the wired remote cable to the wired remote plug attached to the mount bracket behind the front passenger head light.



3. Turn on winch module by pressing the on/off button switch. The winch control module will beep, as it is not paired with the wireless blue tooth remote.
Note: The blue tooth remote can be synched to the controller by holding its power button continuously for 5 seconds (see link to paring instructions below). It's LED light will illuminate and the winch controller will stop beeping. Each time the winch is turned off, the blue tooth remote will need to be resynched to use it.
[Pairing the wireless transmitter with COMEUP Seal Slim winch - YouTube](#)
4. Check that the winch operates. Put outward tension on the winch rope and toggle the wired remote switch to the OUT position confirming the rope extends away from the winch. Maintain outward tension on the winch rope and toggle the wired remote switch to the IN position confirming the rope retracts inward. Retract the rope until the winch hook is tight against the front bumper.
5. Turn off the winch by pressing switch button. When off the winch controller will no longer beep.
6. Installation is complete.