



CrateEngineDepot's Colorado/Canyon Under Body Camera Kit



These instructions will help you install your underbody camera's on 2023+ Colorado's and Canyon's

Please review these instructions before attempting to install Camera Kit

The kit includes the following components shown on page 2.

Front facing Camera Kit

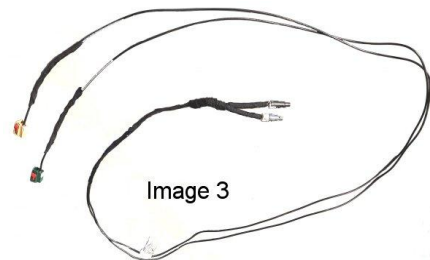
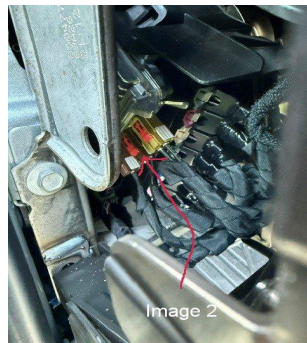
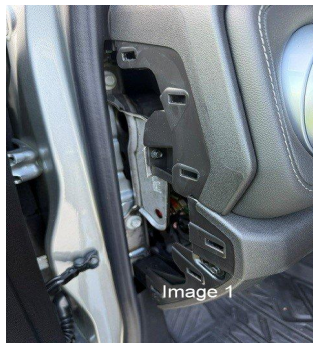
Rear Facing Camera Kit

Video Control Module (image 4)

Strap Kit which includes video cables that plug into the camera

Video Cables to connect to Video Control Module (Image 3)

1. Remove skid plates in the area where the camera's mount.
2. Mount both camera's using the included hardware, see page 3 for detail photos.
3. Mount the strap kit that connect video harness and washer hoses to the camera's they will only plug on one way and the connectors are color coded.
4. The strap kit includes attaching clips that secure it to the chassis as well as the video cables and washer hoses*.
5. Remove LH dash access panel (image 1) by prying outwards, only held in by clips. Remove Lower Dash panel below steering wheel (image 5). For instructions go to: <https://www.crateenginedepot.com/Pdfs/6139347Document.pdf>
6. Locate the Video Control Module (image 2 and 4) on the left end of the dash behind access cover (1) You will see the connectors for the vehicles other camera's plugged into the Video Control Module (image 2). The Video Cables (image 3) that come in the kit will need to be run to this area and plug into the new Video Control Module (image 4) that will have cavities for them to plug into. Note: All cables are color coded and will only plug into the matching connector



Note: This is what the new Video Control Module looks like



Components Parts List

Camera, Front View



Camera, Rear View



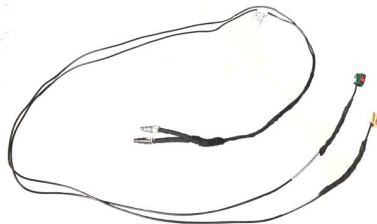
Video Control Module



Strap Kit, Camera Harness,
connects to Cameras



Video Cables &
Conduit



Hardware Kit to
Mount Cameras

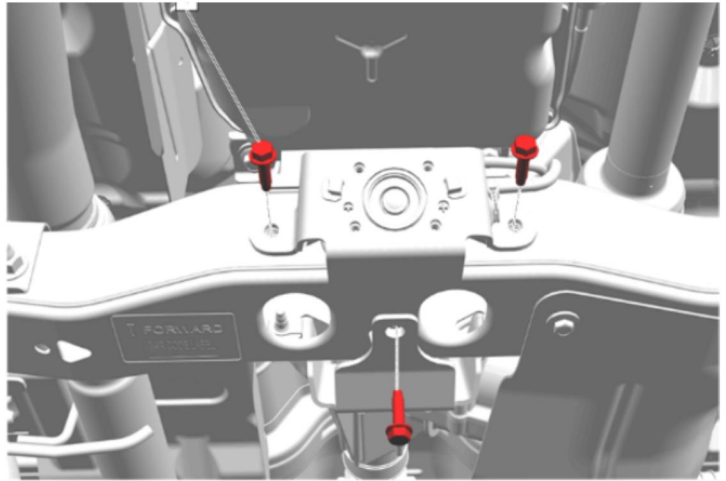


Camera Installation Detail

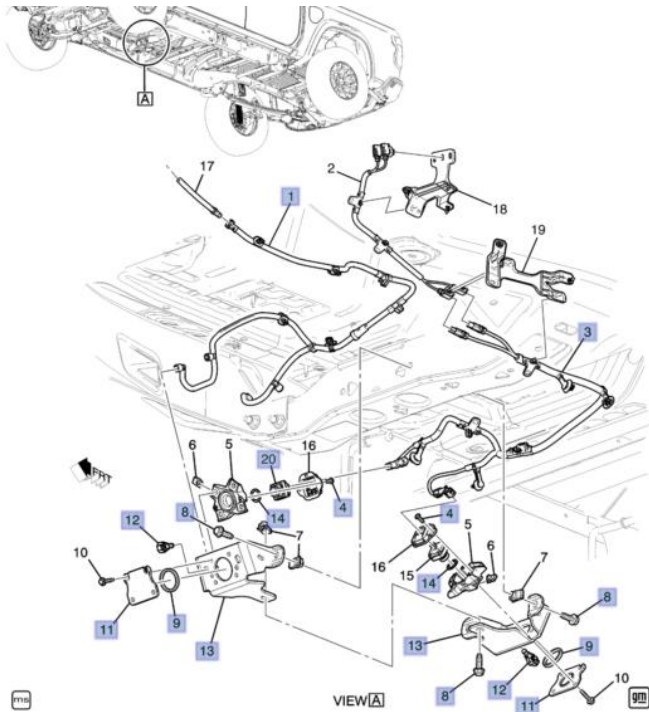
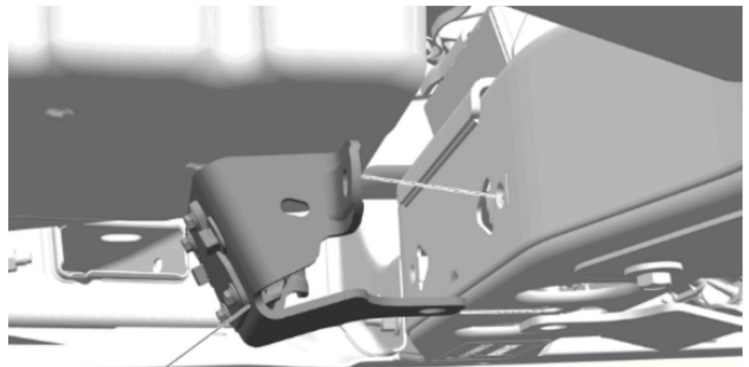
Both camera's bolt on to the transmission center support using existing holes.

The hardware kit comes with 5 bolts and 5 J nuts.

Note: Bottom bolt goes through both camera bottom mounts



Underbody Camera Bracket Bolt



Running Video Coax

From inside of vehicle on the driver's side below the instrument panel, locate the wire harness grommet (image 1).

Poke a hole (image 2) using a straight pick through the inside and outside grommet (image 1) making sure to keep it centered between the grommets outer edge and the wire bundle to avoid damage to the grommet. (A drill with a 3/8" bit can be used as an alternative method).

Cauti on: Always check posi on of hole before cut ng/drilling. Failing to do so may cause damage to the vehicle, misalignment of components or the inability to install the accessory harness

From under the hood remove the single bolt of the reservoir (Image 3) and pull the reservoir off the mount to gain access to fishline more easily

Using the pick or a fish tool leave it in the grommet hole (image 2) and located it under the hood

Image 1

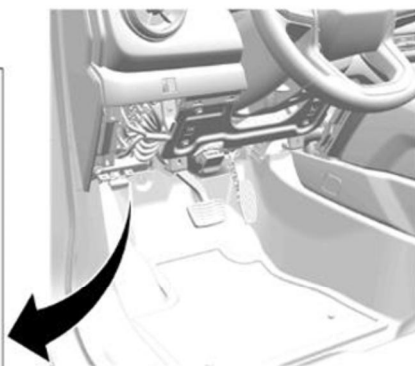
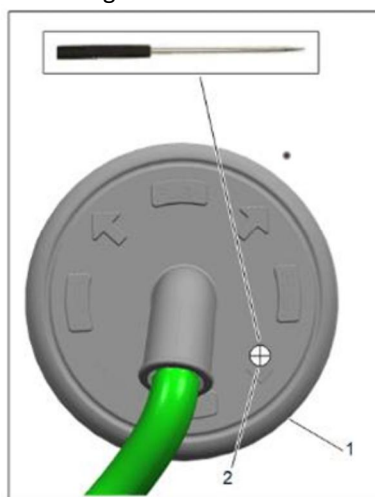


Image 2

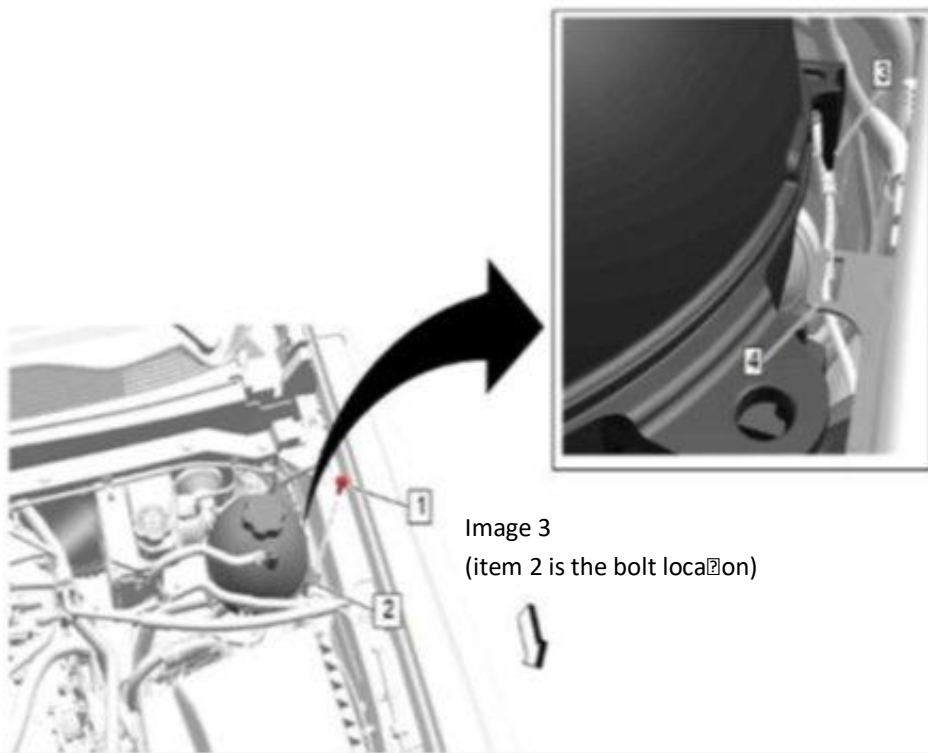


Image 3
(item 2 is the bolt loca on)

Running Video Coax Part 2

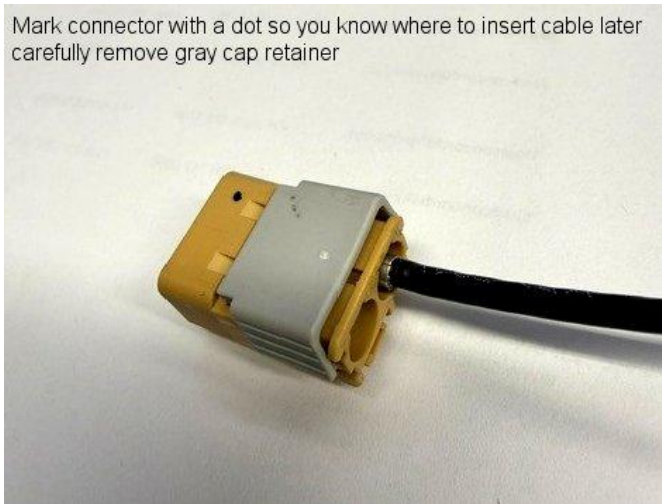
Disconnect the ground cable from the battery

Route the two video cables from under the truck along frame to the LF wheel skit area and up the front of the fire wall. These will go through the hold you put through the grommet.

Note: It will be easier to get the cables through the grommet if you remove the beige and green plastic connectors.

Be sure to mark each cable for what connector goes with each cable and mark the connector so you know which cavity the cable goes back into on the connector.

Mark connector with a dot so you know where to insert cable later
carefully remove gray cap retainer



Once the gray cover is removed you will need to pry up on this finger (see arrow) to release the cable



Carefully run video cables through the grommet into the passenger compartment.

Note: the cable will be longer than necessary but at this time just position it out of the way to make room to remove the Video Processing Module.

The Video Processing Module (VPM) has one nut holding on the lower end. A 10mm ratchet wrench



Remove all the existing video cables connected to the VPM and the one black connector that has a Red locking tab that needs to be slid open to release the connector, then rotate the green locking device. See images below

Once all cables are removed and the nut is removed from holding the VPM in place you will notice there isn't enough room to get the VPM out over the stud. If you remove the lower Body Control Module bracket bolt the bracket will have enough play in it so the VPM can be removed.

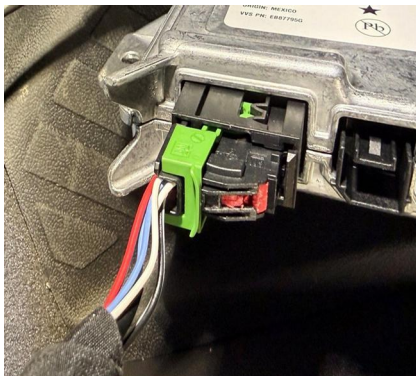


Image to the left has the green locking tab in the locked position.

Image to the right has the green locking tab in the unlocked position.

Note: the red lock must be slide away from the green tab to be able to rotate the green locking tab



Once all cables are removed and the nut is removed from holding the VPM in place you will notice there isn't enough room to get the VPM out over the stud. If you remove the lower Body Control Module bracket bolt the bracket will have enough play in it so the VPM can be removed. **See image below**, once that screw is removed the mounting bracket will flex easy enough to allow the VPM to be removed.

Reverse the order to install the new VPM. Once everything is mounted you can connect the Video Cables to the VPM, as mentioned earlier the two new camera cables will have excess length so gently coil up the excess and insert behind the LH kick panel.

You should protect the video harness with conduit and secure to the truck making sure not to kink them as that will destroy them.

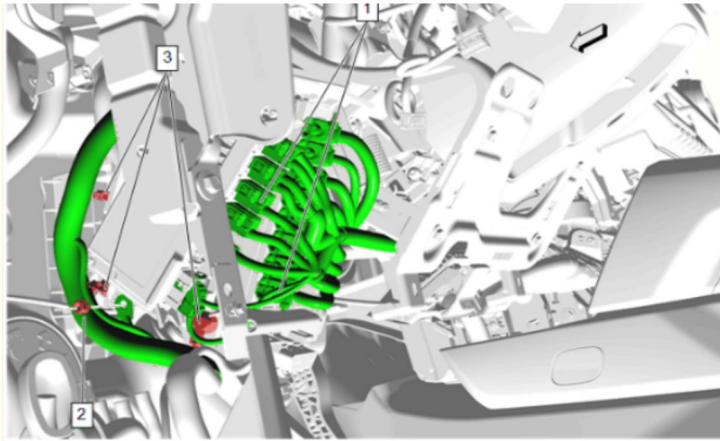
Now that everything is run and connected re connect the battery. Your Infotainment center should now display the under-body cameras when you go to the camera view.

Note: because this works without programming the birds eye view of your truck may appear in a different color than your truck.

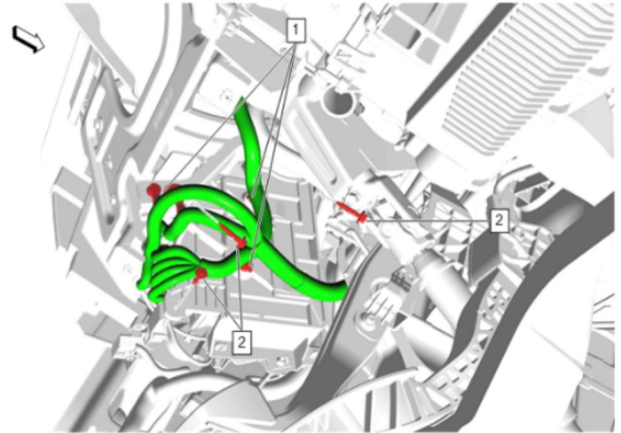
Remove BCM lower mounting bolt shown in image below



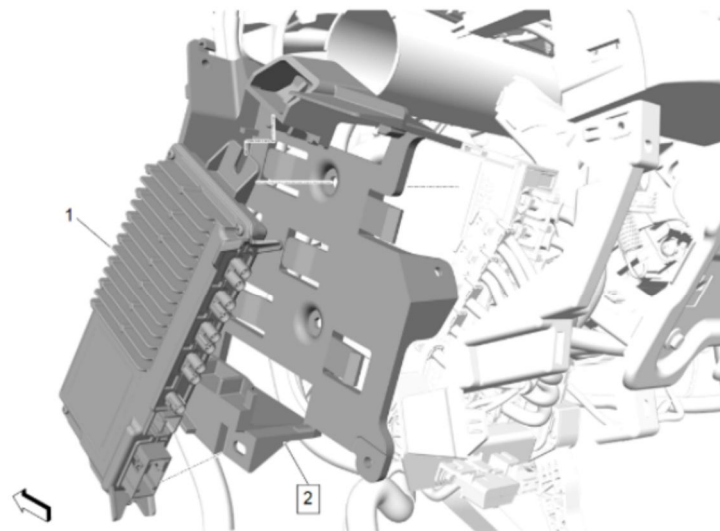
We have added some images below to give you a reference to how the wiring looks. This is just for guidance



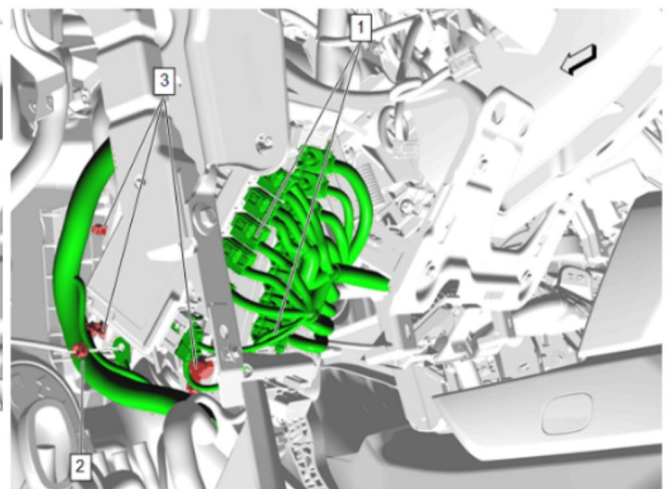
Note: Some components not shown for graphic clarity.
Disconnect the instrument panel wiring harness and body wiring harness connectors
Disconnect the instrument panel wiring harness retainers (3).



Note: Some components not shown for graphic clarity.
Disconnect the instrument panel wiring harness and body wiring harness retainers (1)
Video Processing Module Bracket Bolt (1) » Remove [3x]



Video Processing Module (1) » Remove



1. Reposition the body control module bracket to gain access to the instrument panel wiring harness ground nut (2).
2. Instrument Panel Wiring Harness Ground Nut (2) » Remove

As of the date of these instructions the camera wash icon on the infotainment screen will light up but will not be functional.

We are working on getting this feature to work but it may be very expensive or too complicated and need a shop to install and program.

Meanwhile we have developed a kit to use the existing windshield washer feature to also wash the camera's.

You can check this kit out by searching our site CrateEngineDepot.com using the SKU: **CEDHK**