

















FuIVUE™ Rear Camera Mirror

for Jeep Wrangler (JK/JL) / Gladiator (JT)

FVMR-8886



Recommended Tools				Difficulty Level	
 Wrench	 Wire Strippers	 Wire Cutters	 Electrical Tape	 Install Time  1hr 30m - 2hr	
 Screw Driver	 Panel Removal Tool	 Zip Ties	 Socket Set		
Product Features					
 3X Wider View	 Unobstructed HD View	 Eliminates Blind Spots	 Full Touch Screen	 Records as You Drive	 Seamless Integration
Questions? Call the Brandmotion technical support line at (734) 619-1250 or CLICK HERE					

Kit Contents

Kit A

Components for installing the **FullVUE™ Mirror**



Kit Contents:

1x FullVUE Mirror

1x Adjustable 5th Wheel Camera Mount

1x Video Chassis Harness

1x HD Rear Vision Camera

3x Push Nuts

10x Zipties

1x 32GB SD Card

1x JL Compatible Mirror Stem

1x Extended Camera Bracket

Kit Contents

JL/JT Install

pg. 4

JK Install

pg. 11

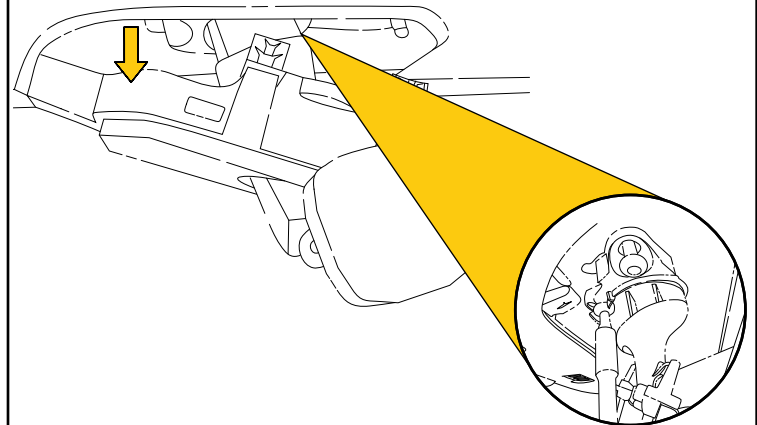
Installation of the *FullVue™* Mirror

Part 1

Removing the Factory Mirror



- 1: Access the plastic trim panel covering the factory mirror stem by pulling aside the headliner trim piece.
- 2: Remove the trim piece to expose the mounting hardware
- 3: Free the factory mirror stem by removing the three mounting screws and rotating the mirror clockwise.

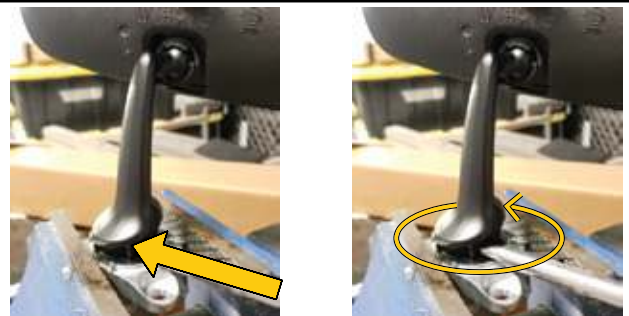


Part 2

Removing the OE Mount from the Mirror Stem



- 1: Place the mirror stem in a vice upside down, locking the silver mount in place.
- 2: Place a screw driver in the designated channel and twist the unit counter clockwise to free the neck from the mounting plate.
- 3: Save the factory trim piece for the next step.



Part 3

Attaching the *FullVUE™* Mirror to the Jeep Wrangler JL



- 1: Remove the mounting bolt on the FVMR bracket to free the arm from the JL mirror mount.
- 2: Place the JL mirror mount through the factory trim piece and reassemble.
- 3: Mount the FullVUE™ Mirror to the JL headliner beam. Do not reattach the trim panel yet.



Part 4

Powering the **FullVUE™ Mirror** harness



- 1: Remove the climate control and media control trim panels.

CAUTION

A large amount of force is required to free the panel clips that retain both of these trim pieces.

- 2: Use the figures below to create the connections to the FullVUE™ Mirror main power harness.

FVMR Harness

12V Accessory (Red)



Ground (Black)



12V Constant (Yellow)

Wrangler JL Harness

12V Accessory (Pink/Yellow)



Ground (Black)

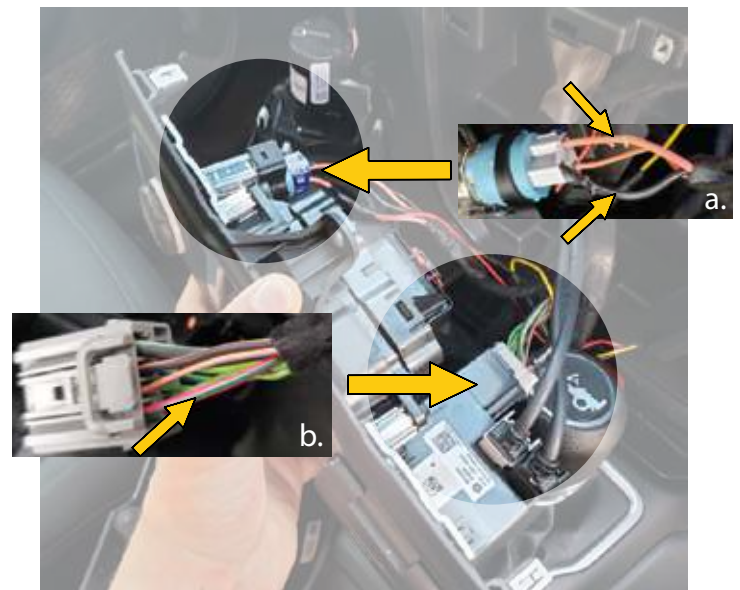
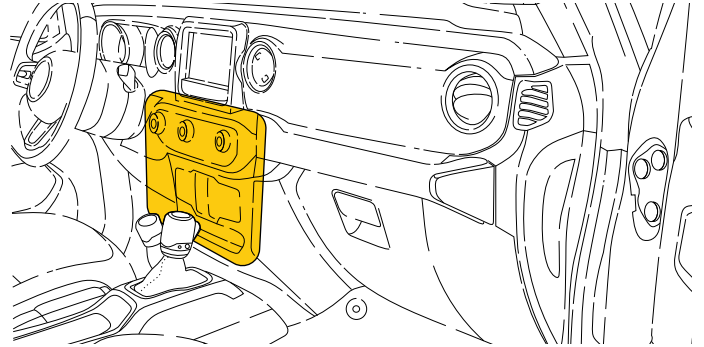


(power point connector) a.

12V Constant (Red/Green)



(media control connector) b.

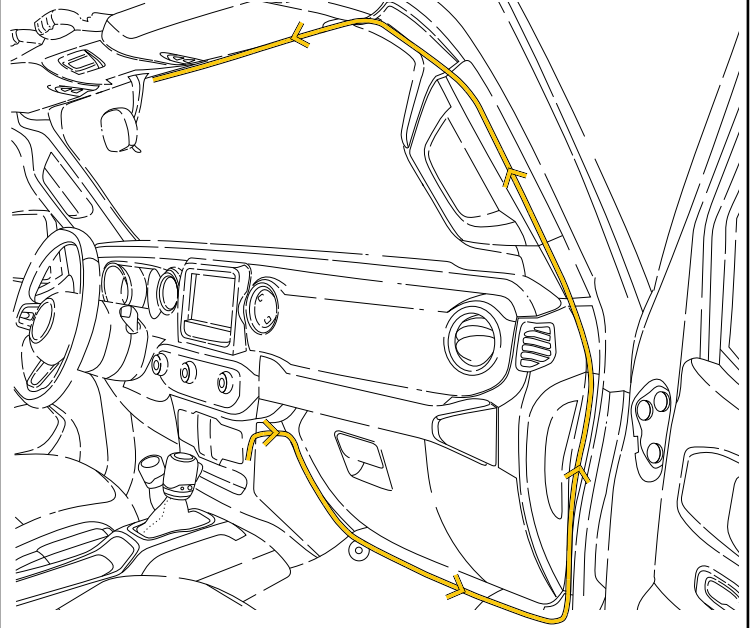


Part 5

Routing the *FullVUE™* Mirror harness



- 1: Remove the glove box for ease of access
- 2: Feed the mirror end of the harness through the back of the head unit cavity into the glove box cavity
- 3: Route the harness across to the passenger kick panel.
- 4: Route the harness up the access panel, up the A-Pillar, and across the headliner

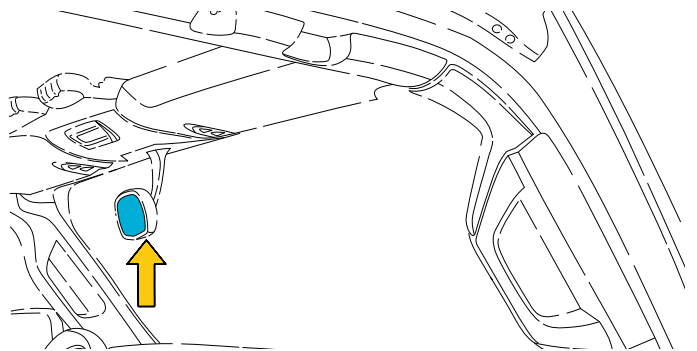


Part 6

Function test of the *FullVUE™* Mirror



- 1: Connect camera to camera harness and set aside.
- 2: Plug camera harness into mirror harness 5-Pin connector.
- 3: Test mirror and camera by turning on ignition power. You should be able to see both the front and rear camera after mirror powers up.



Install Review

Installation of the *FullVUE™* Mirror

- | | |
|--|---|
| <input type="checkbox"/> Double check power connections | <input type="checkbox"/> Cycle power in mirror to test functionality |
| <input type="checkbox"/> Secure foot of mirror onto windshield | <input type="checkbox"/> Ensure harness is not pinched by trim panels |

Continue to Camera Installation



Installation of the *FullVUE™* Mirror

Part 1

Attaching the *Rear Vision Camera* bracket



- 1: Loosen the lug nuts and carefully remove the spare tire. Take special care not to damage your factory reverse camera.
- 2: Slide the camera bracket on the top two studs.
- 3: Temporarily place the spare tire back on the studs to check and confirm proper camera placement with respect to the spokes of the rim.

⚠ CAUTION *If you are not using factory wheels, you may need to use the long bracket that is included in the kit to see past the spokes.*

- 4: Once you have confirmed your bracket positioning, lock it in place using the three lock washers included in the kit. One lock washer will be placed on each of the studs that the bracket is hanging on. The third lock washer will lock the nylon washer in its place on the very bottom stud. This is needed to make the wheel sit evenly on the carrier.
- 5: Wait to install the spare tire back on the carrier. This will give you more room to work through the steps in the next section.

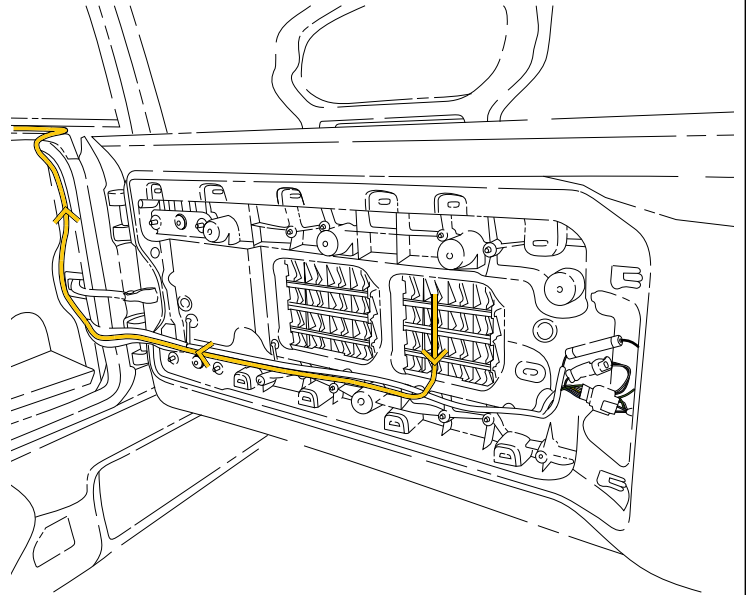


Part 2

Routing camera harness into the vehicle



- 1: Run the camera harness through the top hole of the spare tire carrier.
- 2: Open the tailgate and remove the factory trim panel on the inside portion of the tailgate.
- 3: Route the harness through the factory air vent
- 4: Pull the entire harness length through the tailgate, leaving a little slack outside to protect the harness from being damaged.
- 5: Secure the harness to the factory harness using zip ties.
- 6: Run the harness through the sleeve between the tailgate and the vehicle. When done properly, the camera harness will move with the factory wiring. This will protect the harness from being pinched, and possibly damaged, by the tailgate.

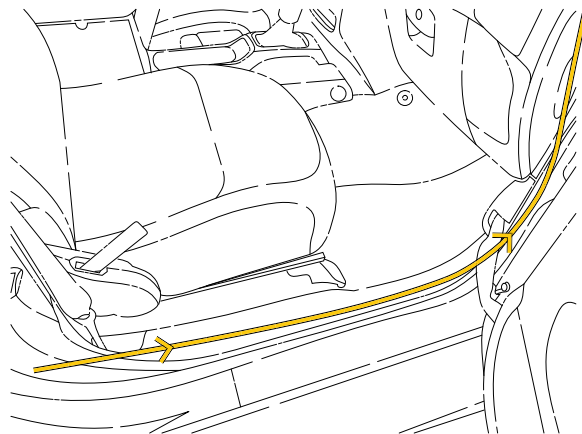
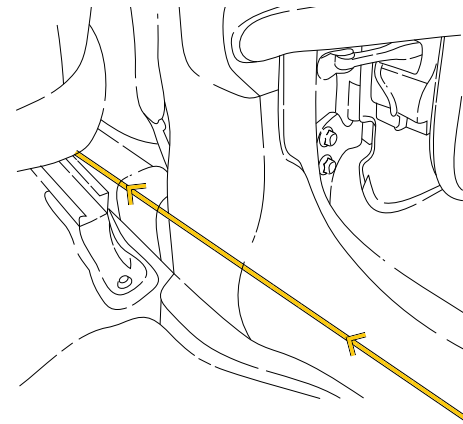
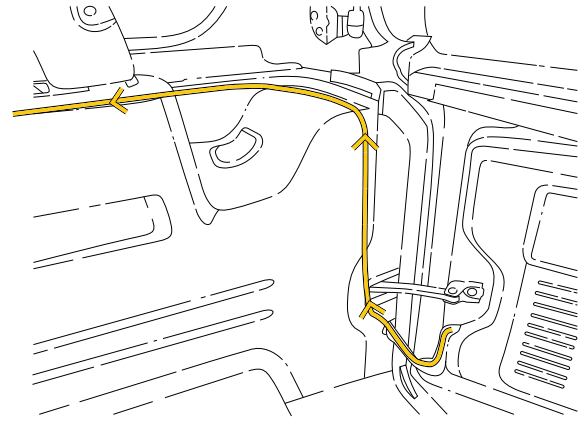


Part 3

Routing camera harness into the vehicle



- 1: Start by routing the harness towards the floor and under the carpet surrounding the wheel well trim panel on the passenger side.
- 2: Continue around the wheel well to the rear passenger side door sill.
- 3: Remove rear passenger side door sill using a trim removal tool. Run chassis harness with factory wiring through the door sill to the passenger side B-pillar.
- 4: Pull back carpet surrounding the lower B-pillar trim. Run your chassis harness around the B-pillar, tucking the harness under the lower trim panel along the way.
- 5: Removed your front passenger side door sill panel. Route your chassis harness along the factory wiring.
- 6: Now that you are at the location where the power connections have been made, use the same route as the mirror harness to run your chassis harness up the A-pillar to connect to the mirror.
- 7: Once the chassis harness has been connected to the mirror, power the vehicle to check rear camera functionality before reassembling the interior panels.
- 8: Once all functionality is confirmed, you can reassemble on the interior trim.



Installation of the *Rear Vision Camera*

Install Review

Installation of the *Rear Vision Camera*

- | | |
|--|--|
| <input type="checkbox"/> Double check power connections | <input type="checkbox"/> Check video to confirm camera orientation |
| <input type="checkbox"/> If needed, seal body work with silicone | <input type="checkbox"/> Shift into reverse to check reverse trigger |

Continue to
Jeep Wrangler JK Install



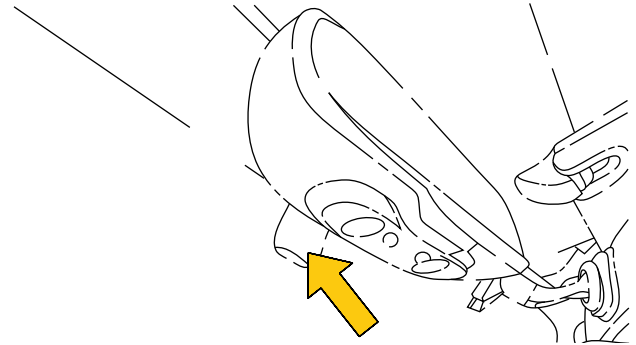
Installation of the *FullVUE™* Mirror

Part 2

Removing the Factory Mirror



1. Loosen the retaining screw on the factory mirror mount located on the windshield.
2. Slide the mirror off of the D-TAB, ensuring that the mirror easily slides off.
3. Disconnect the power harness from the rear of the mirror.

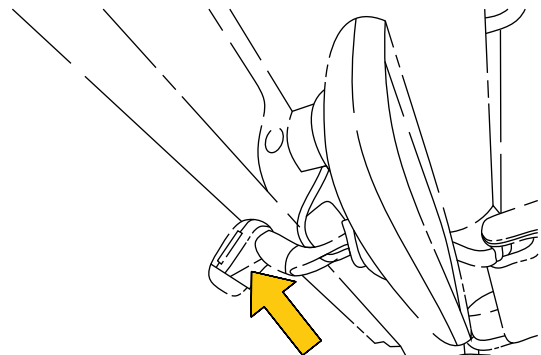


Part 3

Installing the *FullVUE™* Mirror



1. Installing new mirror on to D-TAB and tighten with a Phillips screwdriver.
2. Take care not to overtighten. Overtightening could result in a damaged windshield.
3. Route the harness down the A-pillar to the desired location in the passenger kick panel.

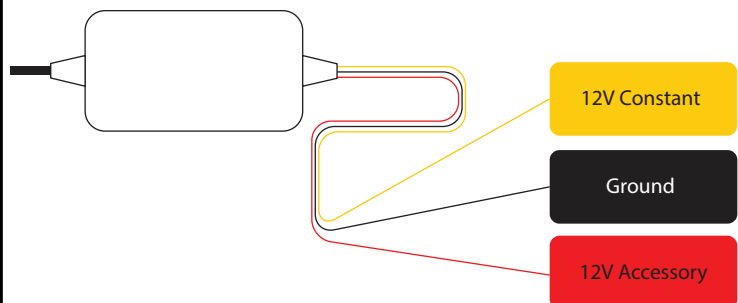


Part 4

Powering the FullVue™ Mirror



1. Connect the RED wire from the mirror harness to 12-volt accessory power.
2. Connect the BLACK wire to a solid ground. Chassis ground in kick panel is recommended.
3. Connect the YELLOW wire from the mirror harness to the 12-volt constant in the vehicle.
4. Test mirror by turning on ignition power. You should be able to see the front camera after mirror powers up. Repeat rest once rear camera is installed.



Installation of the *FullVUE™* Mirror

Install Review

Installation of the *FullVUE™* Mirror

- | | |
|--|---|
| <input type="checkbox"/> Double check power connections | <input type="checkbox"/> Cycle power in mirror to test functionality |
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Continue to Rear Camera Installation



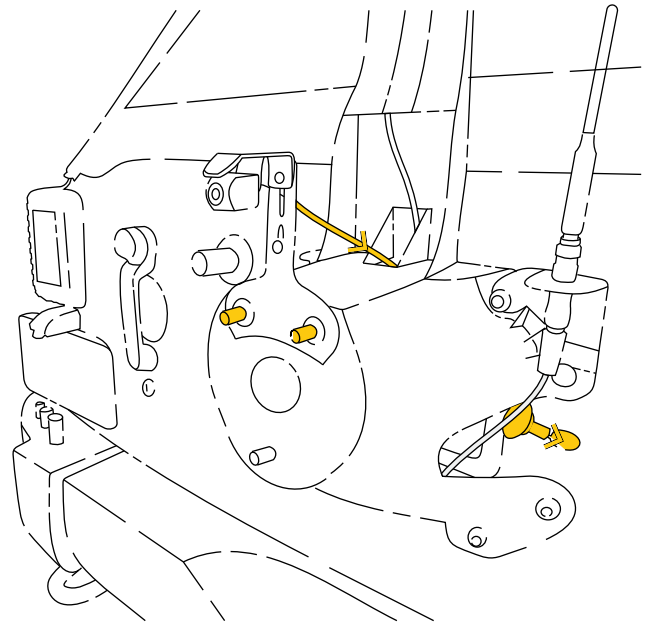
Installation of the *Rear Vision Camera*

Part 1

Rear Camera Mount



1. Loosen lug nuts to remove the spare tire.
2. Slide Camera on studs placing harness end inside of tire carrier.
3. Temporarily replace spare tire to check wheel clearance to Camera. Adjust camera head to fit your specific wheel.
4. Short Bracket has been designed for Factory offset wheels. Use the Long Bracket for wheels with larger offsets
5. Remove spare tire and slide (3) supplied Push Nuts on the studs.
6. Route end of camera/chassis harness into tailgate



Part 2

Routing the Harness

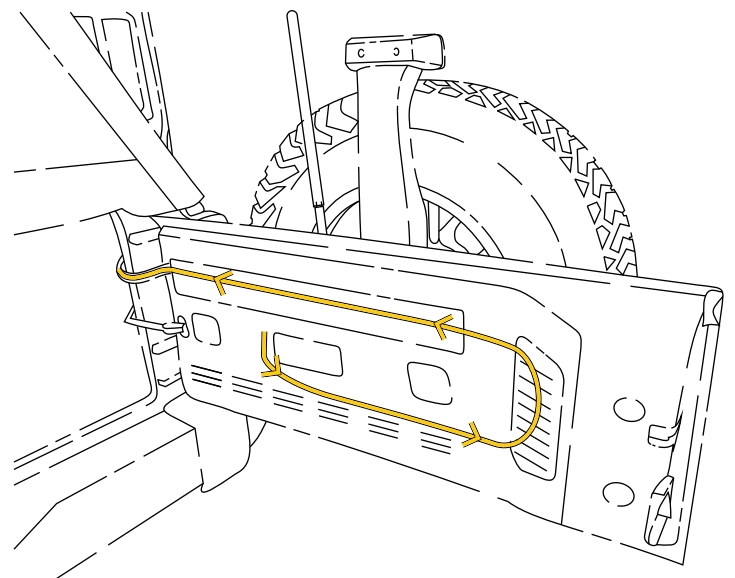


1. Using a plastic trim removal tool, remove interior panels on the inside of the rear gate.
2. Pull the harness through the rear gate openings
3. Use supplied Wire Ties to secure Chassis Harness to existing harness.
4. Use supplied Wire Ties to secure Chassis Harness to fabric factory wire cover.



Leave enough slack to allow the gate to open fully.

5. If you wish to use the Panoramic Reverse Mode (See "Menu Item Instructions" for more information) connect the red wire found on the chassis harness to 12v+ Reverse.

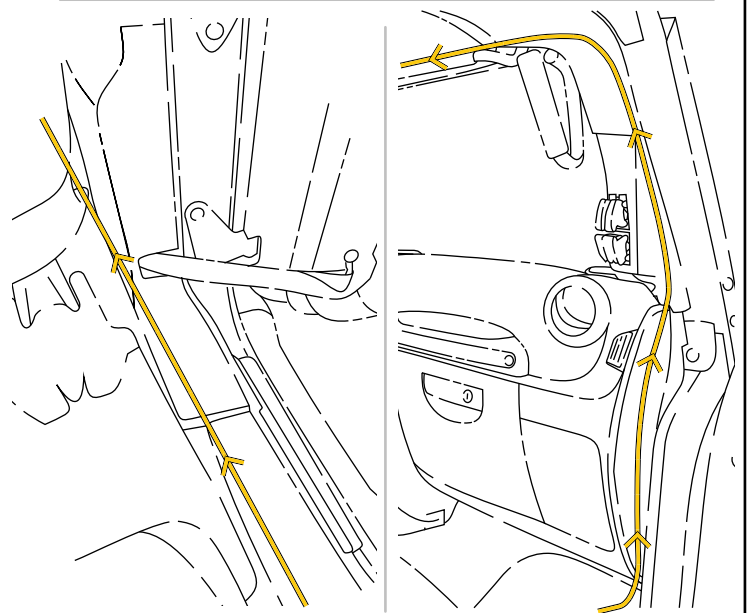
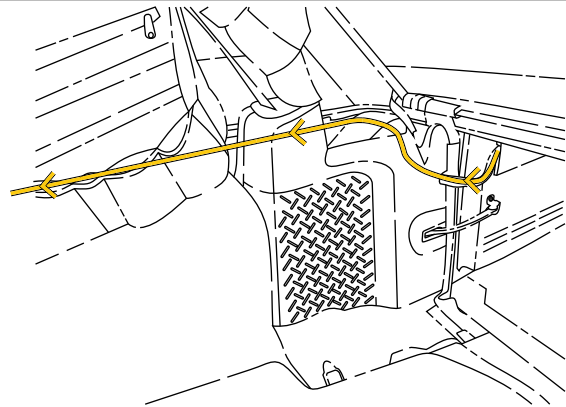


Part 2 (cont'd)

Routing the Harness



6. Use a T20 Torx bit to remove the subwoofer box. (If equipped)
7. Using a plastic trim removal tool, pry off rear seat belt closeout.
8. Using a plastic trim removal tool, remove rear access panel to expose 10mm bolt, and remove bolt.
9. Pull out subwoofer box slightly to gain access to run Chassis Harness along existing harness
10. Pull back the carpet and continue running Chassis Harness forward.
11. Run Chassis Harness under B-pillar cover to passenger door sill. Use a plastic trim removal tool to remove the (2) plastic push pins and remove passenger sill plate/kick panel.
12. Continue routing chassis harness up the passenger A-pillar then across the headliner to the mirror harness for connection.
13. Power mirror up and check rear camera. You should be able to see both front and rear camera on your mirror.



Install Review

Installation of the *Rear Vision Camera*

- | | |
|--|--|
| <input type="checkbox"/> Double check power connections | <input type="checkbox"/> Check video to confirm camera orientation |
| <input type="checkbox"/> If needed, seal body work with silicone | <input type="checkbox"/> Shift into reverse to check reverse trigger |

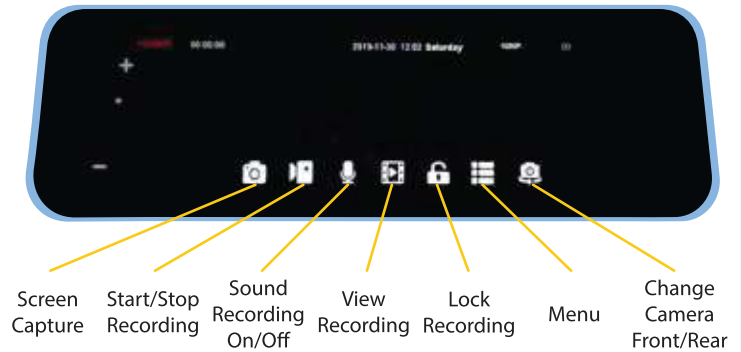
Continue to *FullVUE™* Mirror Features



FullVUE™ Mirror Settings

FullVUE™ User Interface Guide

1. Touch screen once to bring up User Interface
2. Swipe finger left or right to switch camera views
3. Use +/- on left side of screen to adjust brightness
4. Use icons below for respective controls



FullVUE™ Settings

Menu Item Instructions

Streaming Media

- Toggle NightSight On/Off (Turn on under low light conditions for clearer image on mirror)

- Choose: StandardVideo for regular use/EnhancedVideo for crisp color/Evening Light for sunset or dusk lighting conditions

Protect Level

- Select sensitivity for auto locked event recording for DVR. When the G-Sensor feels shock, it will automatically lock the recording on the SD card for later use

- Choose: On / Off

Parking Monitoring

-Select On/Off for G-Sensor Initiated recording. These files will be auto locked and record for 1 min

Volume

- Adjust UI control and video playback volume

Clock Settings

- Set date and time for UI

LCD Power Save

- Select automatic screen save Off/1min/3min

- Screen will go black after 1 min or 3 min of no use, if selected

Format SD

- Format/Reformat Card. Be sure to save all wanted footage on another device before reformatting

Refresh Rate

- Adjust video frame rate 50Hz or 60hz (frames per second)

- This setting will change how smooth the video will play back and will affect LED headlight flicker. If headlights in mirror are flickering excessively, try changing this setting.

Factory Reset

- Reset all settings

FullVUE™ Mirror Settings

FullVUE™ Settings

Video Recording Menu Instructions

Normal Video

- This is where all general video recordings can be found. All files in this folder will be overwritten if SD card runs out of space. DVR will overwrite the oldest files first.

Lock Video

- Pushing the "Lock Recording" button on the main user interface (shown on page 3) will save the respective video in this folder. All files saved in this folder will not be overwritten, even if the SD card runs out of space.

Photo

- This folder will hold all screenshots taken using the "Screen Capture" button on the main user interface shown on page 3.

Front and Rear

- Front and Rear camera views are separated in each main folder. Use front or rear button to view recordings or photos of the desired camera view.

Protect and Unprotect

- These functions will not protect the video from being overwritten. Protecting a photo or recording means that if the "Delete All" function is used, the protected files will not be deleted. If you do not want to delete specific files, protect them and "Delete All" will delete all other files inside of the folder. See "Delete All" for functional details.

Delete

- This button will delete only individually selected files. If the file is protected, it will not delete that file.

Delete All

- The function will delete all unprotected files within a folder. It will not delete files in both front and rear. It will only delete files in the folder and camera view you have open.

- In other words, if you are viewing all files saved under Normal Video - Front and push "Delete All", only front camera files will be deleted. Rear camera files will still be saved



Continue to
FAQ Section



FAQ Section

1. Can you flip the camera in the FullVUE Screen?

At this time you cannot flip the image from the FullVUE™ camera. Please check back with our website for the latest information.

2. Can I turn the display off and use the FullVUE as a mirror?

Yes! Simply tap the bottom button 1 time (2 times if you have the time stamp screen) and the mirror will function as a traditional mirror. As a bonus, if you have the reverse trigger wire hooked up, it will still show the image on the mirror even in the display off setting. When you shift the vehicle from reverse, it will return to the setting that was selected before shifting!

3. Can I use an auxiliary camera with the FullVUE mirror?

At this time, you can only use the provided FullVUE™ Camera with the FullVUE™ Rear Camera Mirror. Please visit our website for new information.

4. My wire harness is a little short. Can I extend the wires?

At this time you cannot extend the wires. We have tested up to 16.5ft 4 pin cable extensions onto our 6m harness. We do not recommend adding an extension to our 9m harness at this time.



**WARNING: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov**