











# SummitView™ Jeep Wrangler (JK/JL) Adjustable Rear Vision System

with Infrared Camera For Factory Display

SUTV-8857

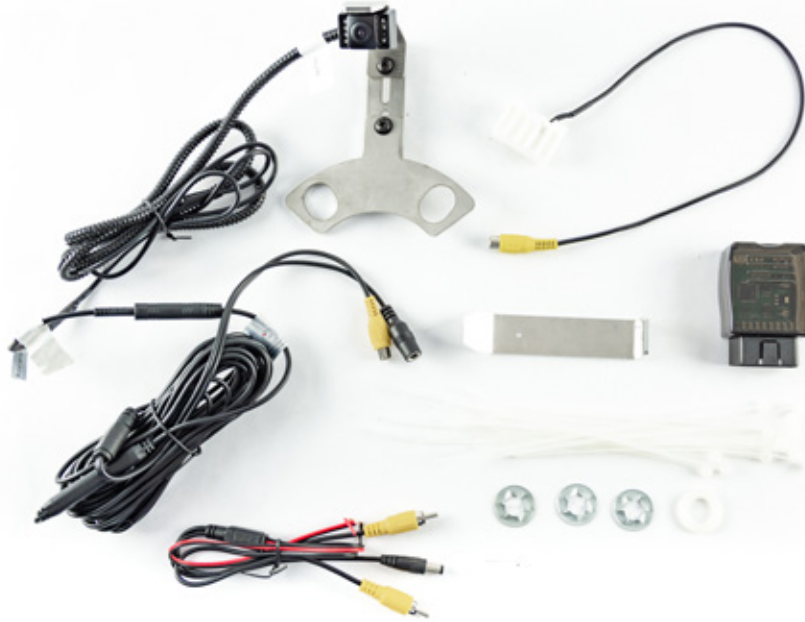


Recommended Tools				Difficulty Level
 Wrench	 Wire Strippers	 Wire Cutters	 Electrical Tape	
 Screw Driver	 Panel Removal Tool	 Zip Ties	 Socket Set	<b>Install Time</b>
Questions? Call the Brandmotion technical support line at (734) 619-1250 or <a href="#">CLICK HERE</a>				 <b>1hr 30m - 2hr</b>

## Kit Contents

### Kit A

Components for installing the SUTV-8857



### Kit Contents:

- 1x Infrared Camera
- 1x Adjustable 5th Wheel Camera Mount
- 1x Video Chassis Harness
- 1x RCA to Factory 22 Pin connector
- 1x Flash Module
- 3x Push Nuts
- 15x Zipties

## Programming Instructions

1. PLEASE NOTE: These modules are VIN locked for single vehicle use. If your vehicle ever needs a radio replaced or is flashed by a dealership, you can reprogram with this programmer.
2. Start the vehicle. Allow it to run for 20-30 seconds before proceeding. \*Failure to start the vehicle before inserting the programming module can cause catastrophic failure of the module and void your warranty on this part.
3. Plug module into OBDII port, located under the dash on the driver's side, and wait for the green LED to light up, then remove the module.
4. Shift into reverse. If you get a black/blue screen with "Check your Surroundings", the flash has been successful and you can proceed with testing the camera.



## Install Rear View Camera

### Part 1

#### Preparing the Radio

1. First, you need to gain access to the back of your factory radio. Start by removing the rubber bin insert from the top of the dash
2. Remove the 7mm bolt under the rubber bin insert.
3. Using a plastic trim removal tool, remove the window switch panel.
4. Disconnect harness from window switches.
5. Remove the 7mm bolt behind the window switch panel.



6. Remove driver knee bolster cover
7. Remove (2) 7mm bolts on both sides of the steering column.
8. Remove center stack/cluster trim
9. Remove the glove box for access. You will need access to the area behind the glove box to make your connection to the radio.
10. Remove (4) 7mm bolts to remove radio from dash
11. Locate the White 22 pin connector with a female RCA that was included with your kit. Plug the 22 pin into the open connection on the back of your radio.
12. Run the RCA towards the passenger side through the dash and let it rest behind the glove box. RCA should be visible through the glove box opening.
13. Reassemble the radio and surrounding panels, but leave the glove box disassembled.



## Part 2

### Camera functionality test (Highly recommended, not required)

#### 1. 8837:

- a. There will be three wires accompanying the RCA: Red, Green, and Black

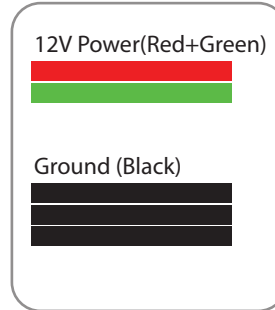
1. Twist red and green together = Power
2. Black = Ground

- b. Using an wire extension (not supplied)

1. Connect twisted red and green directly to positive terminal of battery
2. Connect Black to negative terminal of battery

- c. Test Camera

1. Connect RCA to Aftermarket radio and
2. Turn Key to on position
3. Place the vehicle in reverse and verify a good image.



#### 2. 8847:

- a. There will be two wires at the rear of the harness near the camera

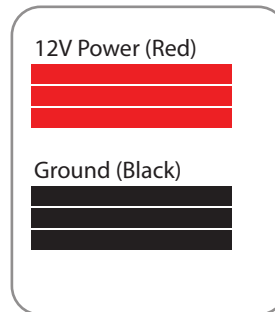
1. Red= Power
2. Black = Ground

- b. Using an wire extension (not supplied)

1. Connect red wire directly to positive terminal of battery
2. Connect Black to negative terminal of battery

- c. Test Camera

1. Connect RCA to Aftermarket radio and
2. Turn Key to on position
3. Place the vehicle in reverse and verify a good image.



#### 3. 8857:

- a. There will be two wires accompanying the RCA: Red and Black

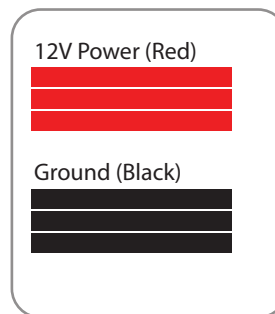
1. Red= Power
2. Black = Ground

- b. Using an wire extension (not supplied)

1. Connect Red wire directly to positive terminal of battery
2. Connect Black to negative terminal of battery

- c. Test Camera

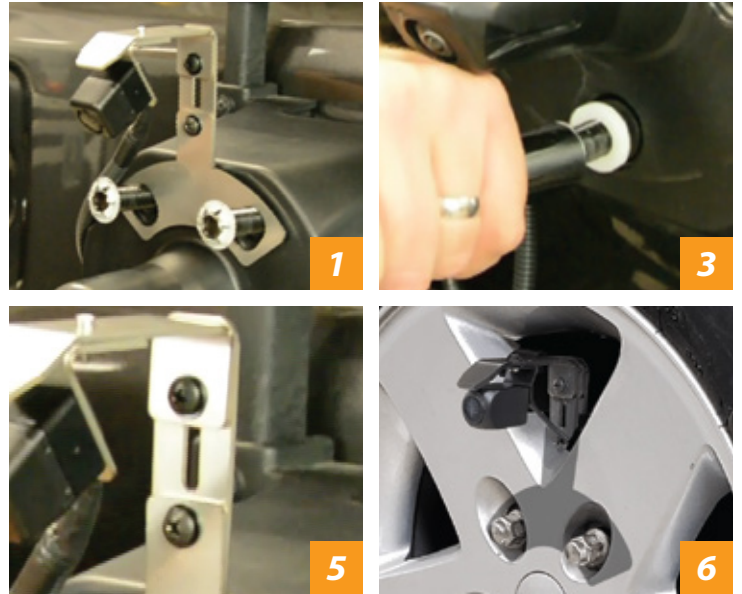
1. Connect RCA to Aftermarket radio
2. Turn Key to on position
3. Place the vehicle in reverse and verify a good image.



## Part 3

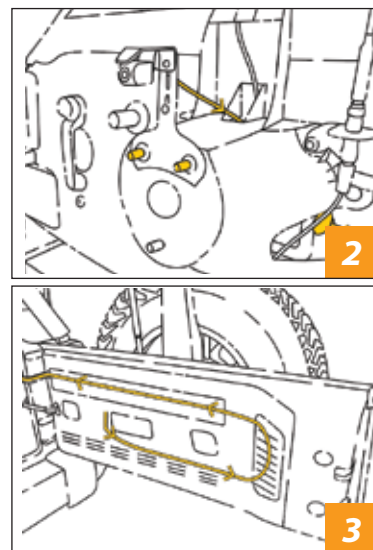
### Installing Rear Camera on Tire Carrier

1. Remove your spare tire and place the camera bracket on the top two studs.
2. Secure bracket to carrier using (2) push nuts to secure the bracket on two top studs.
3. The nylon washer will go on the bottom stud and will be secured with the third push nut.
4. Place your tire on the carrier and make any needed adjustments to the camera placement to see through the wheel spokes.
5. Once the orientation is satisfactory, tighten two adjustment screws on bracket.
6. Reinstall the spare tire on the carrier.



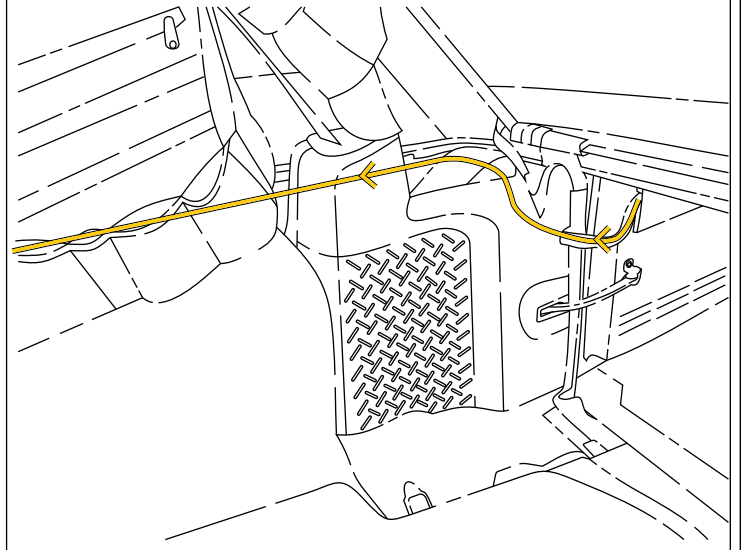
## Install Rear View Camera Chassis Harness

1. Using a plastic trim removal tool, remove interior panels on the inside of the rear gate
2. Insert camera connector through the rear relief/vent flap behind the spare tire mount. **DO NOT RUN THROUGH CENTER HOLE OF TIRE CARRIER**
3. Gently pull harness through relief door and connect your camera harness to your chassis harness.
4. Use supplied wire ties to secure chassis harness to existing harness in the tailgate.





5. Use supplied wire ties to secure chassis harness to exterior of fabric factory wire cover connecting tailgate to body. Do not run through fabric factory wire cover. **CAUTION: Leave enough slack to allow the gate to open fully**
6. Using a plastic trim removal tool, remove rear access (behind seat belt) panel to expose 10mm bolt, and remove bolt. Failure to remove this bolt will break the panel.
7. Remove interior rear quarter panel
8. FOR 8848, you will need to ground black wire at a good chassis ground. Isolate the red wire with electrical tape. You will connect to power at the front of the vehicle in later steps.
9. Pull back carpet and continue running chassis harness forward under sill plates and B-pillar cover to passenger kick panel
10. Use a plastic trim removal tool to remove the (2) plastic push pins and remove passenger sill plate/kick panel.
11. Run the chassis harness behind the glove box and into the radio cavity.



## Connecting to Power

### Part 1

1. 8837:
  - a. There will be three wires accompanying the RCA in the passenger panel: Red, Green, and Black
    1. Twist red and green together = Power
    2. Black = Ground
  - b. Identify power output from your aftermarket radio

12V Power (Red+Green)



Ground (Black)



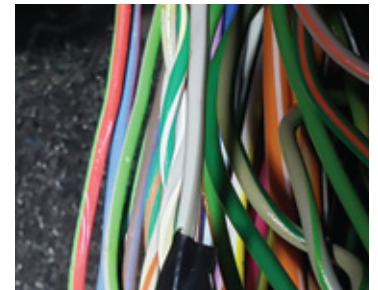
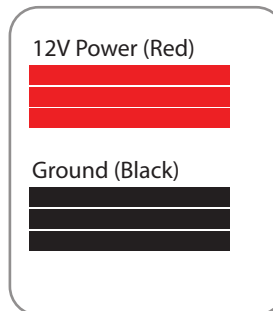
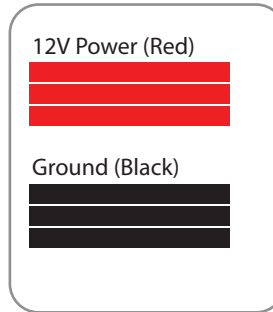
- c. Connect twisted red and green wire to power output from radio
- d. Connect black wire to Chassis ground. We recommend using factory chassis grounding point.

2. 8847:

- a. Identify red power wire exiting the back of the yellow RCA from your camera chassis harness
- b. Identify power output from your aftermarket radio
- c. Connect Red wire to power output from your aftermarket radio
- d. Connect black wire to Chassis ground. We recommend using factory chassis grounding point.

3. 8857:

- a. Connect jumper power harness to chassis harness (if not already connected)
- b. Separate power and ground wires at jumper harness
  - 1. Red = Power
  - 2. Black = Ground
- c. Identify power output from your aftermarket radio
- d. Connect red wire to power output from your aftermarket radio.
- e. Connect black wire to Chassis ground. We recommend using factory chassis grounding point.



White/Grey 12V Reverse Wire  
Located in JK Passenger Kick panel

## Finishing Installation

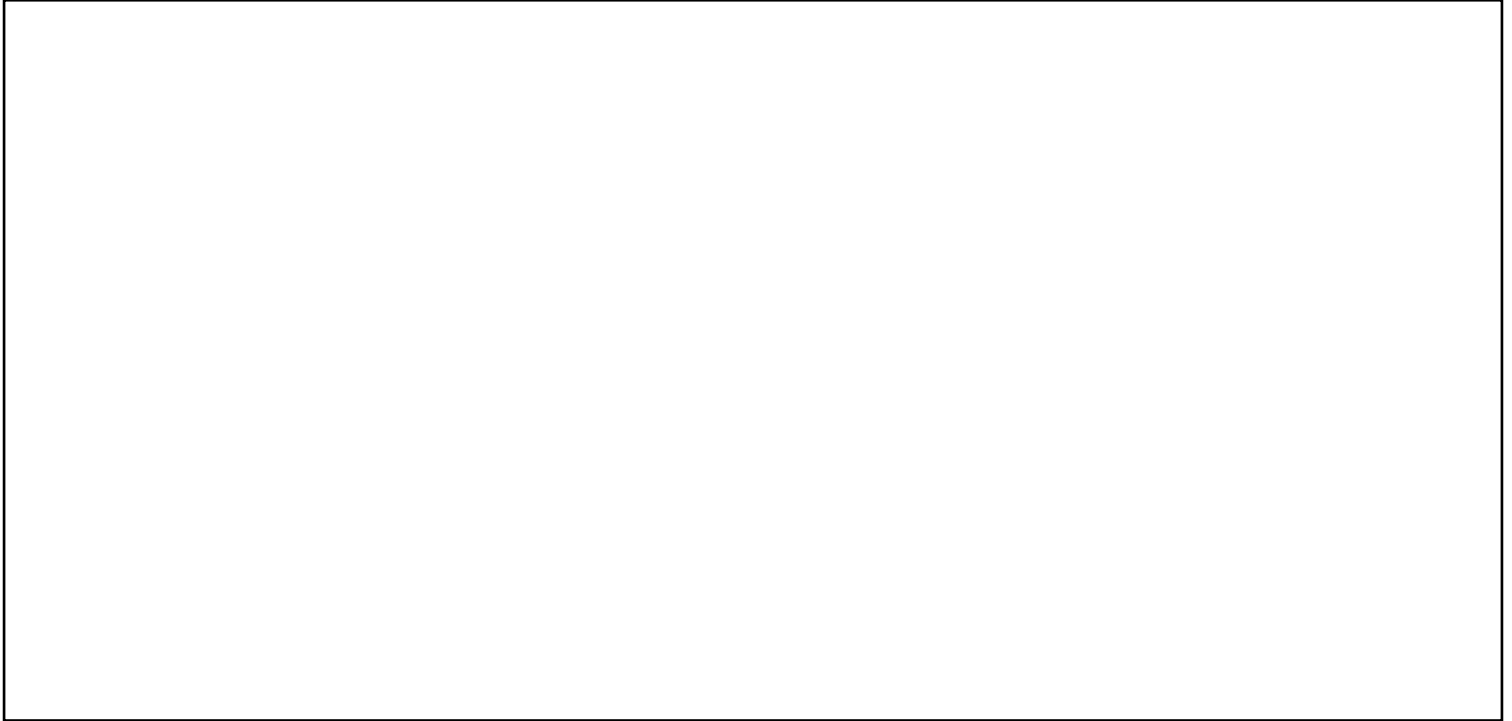
### Part 1

- a. Connect male RCA of chassis harness to female RCA behind glove box.
- b. Test camera
  - 1. Twist red and green together = Power
  - 2. Black = Ground
- c. Reassemble vehicle in reverse order of removal





## FAQ Section



**WARNING: Cancer and Reproductive Harm -**  
**[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**