

**2007-Current Jeep Wrangler 360° System
(Kit # AVMS-3700)**

Please read thoroughly before starting installation and check that kit contents are complete.

Items Included in the Kit:

- 360° camera module
- Key box power/image buttons
- Rear camera and Front camera
- Front lower bumper mount and harness
- Rear spare tire adjustable camera mount
- 2 side mount cameras w/pods and harnesses
- 2 video output RCA cables
- Power/camera input harness
- 2 side camera templates
- Mounting screws and gaskets
- These instructions

Tools & Supplies Needed:

- Wire strippers
- Wire cutters
- Electrical tape
- Zip ties
- Plastic panel removal tools
- Digital Volt Meter / BCM safe test light
- Screwdriver
- Socket set
- Wrench
- Uni Bit
- Drill

Safety Precautions:

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.



NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit www.brandmotion.com

REAR CAMERA INSTALL

1. Remove the spare tire off of the carrier.
(Use caution when removing tire.)



2. Open rear gate and remove trim from inside of gate by using plastic panel removal tool.



3. Mount the bracket on the rear tire mount, after bracket is on, slide on the 3 push nuts over the studs.



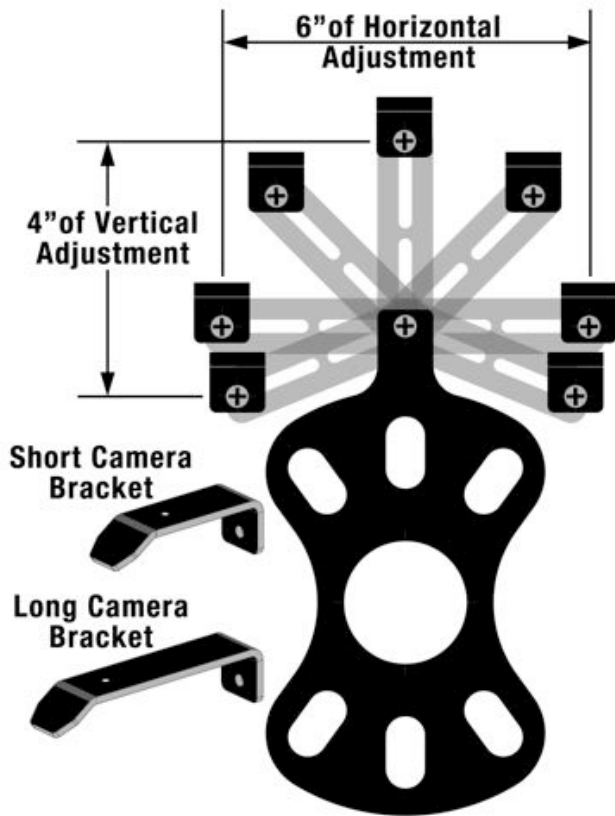
4. Run the harness into the rear gate through the factory gromet.



5. Run rear camera harness through top hole of tire carrier.



Adjustment Bracket for Camera Clearance using
Phillips Screwdriver and 3/8" Wrench or Socket Drive



Note: Short Bracket has been designed for Factory offset wheels. Use the Long Bracket for wheels with larger offsets.

- Remount spare tire on carrier. (MAKE SURE NOT TO PINTCH THE CAMERA HARNESS.)



INSTALLATION INSTRUCTIONS

- Use a T20 Torx bit to remove subwoofer box.



- Using a plastic trim removal tool, pry off rear seat belt closeout.



- Using a plastic trim removal tool, remove rear access panel to expose 10mm bolt, and remove bolt.



10. Run the rear camera harness along the factory harness. Use zip ties to secure to the factory harness.



11. Run the camera harness through the factory cloth door boot, use a long zip tie or a fish tape.



12. Finish running the harness to the front glove box area on the passenger side of the vehicle.



INSTALLATION INSTRUCTIONS

13. Remove the glove box to gain access to the back side.



SIDE CAMERA INSTALL

1. Place template sticks under the side mirrors. The arrow should be perpendicular to the vehicle body, pointing away for the vehicle.



2. Repeat for other side mirror as well.
3. Remove the door panel from the vehicle, remove trim behind door handle and remove the trox screw.



4. Remove the inter trim on the pull handle to gain access to the two screws.



5. Remove the (2) Torx in the lower front of the door.



6. With the door panel remover, unplug the mirror harness and connect a pull wire to be able to pull the harness back through the door.



INSTALLATION INSTRUCTIONS

7. Remove (2) Torx bolts on the inter door frame to remove mirror. (when bolts are taken out the mirror might fall, hold on to the mirror while doing this.



8. Remove the mirror and pull harness through the door.

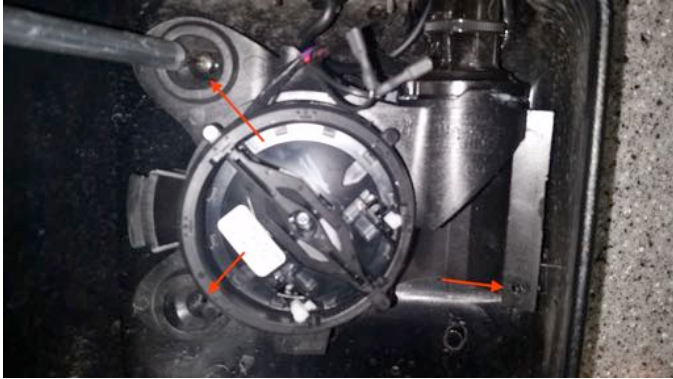


9. Repeat for the other side.

10. Compare the mirrors to see if the templates are in the same place and angle on both.



11. Remove the (3) Torx screws from inside the mirror. We can get behind the mirror glass to do this. (the picture the glass is removed to show location of the screws.



12. Remove the mirror glass by gently lifting on the tabs.



INSTALLATION INSTRUCTIONS

13. Drill the hole in the template for the camera and the (2) mounting screws.



14. Mount the left camera in the pod marked LH. Then mount the pod to the mirror using supplied screws.



15. Run the camera harness through the back-side of the mirror and out the mounting base.



INSTALLATION INSTRUCTIONS

16. Attach the camera harness and the mirror harness to the pull wire, that was already run through the door and pull the harnesses to the inside of the vehicle.



17. Notch the grommet to allow room for the camera harness.

18. Remount the mirror to the vehicle with the (2) Torx bolts.

19. Insert the camera pins into the connector for the camera.



20. Reconnect the mirror harness in the door.

21. Run the camera harness along the factory harness in the door.



22. Run the camera wire through the factory door sleeve. Use a long zip tie or a fish tape.



23. Run the camera wire to behind glove box area to connect to the 360° brain.

24. Reinstall door panel and mirror glass.

25. Repeat for other side.

INSTALLATION INSTRUCTIONS

FRONT CAMERA INSTALL

1. Front camera will mount under the front bumper on the metal bumper.



2. Mark location of the camera on the metal bumper. These next steps will vary due to the different types of factory and aftermarket bumpers available for the Jeep Wrangler.



3. The camera needs to have a clear view of the road below and out in front of the vehicle.

4. You can use the plastic mount provided for the front camera. Or make your own.

5. The white sticker on the camera is up.

6. Route the camera harness into the vehicles interior through the factory grommet in the firewall. Run the harness over behind the glove box area.

2 BUTTON KEYPAD LOCATION

1. Place the keypad somewhere easy to get to like in front of the center console.

2. Run the keypad harness over to the glove box area.
3. For factory display radios, the power button on the key pad turns on the system and the interface to show the image on the factory display below 7 MPH.
4. For aftermarket radios or displays the power button will turn on the video output labeled CVBS. The video output labeled CVBS RV is on when every the ignition is on.

WIRING UP THE 360° MODULE

1. The yellow wire is connected to constant power. It can be found behind the radio on the 22—pin gray plug pin 1- YELLOW/RED.
2. The red wire is connected to accessory power. It can be found at the power point/cig lighter by the HVAC controls. The wire color is BLUE/RED.
3. The blue wire is connected to the reverse 12-volt wire. It is located in the passenger kick panel. The wire color is WHITE/GRAY.
4. Plug the cameras into the matching camera labels.
5. Plug in the key box.
6. The 360 module will fit to the left side of the glove box opening and up by the heater box.
7. Connect the RCA from the 360 module labeled CVBS to a AUX RCA input.
8. Connect the RCA from the 360 module labeled CVBS RV to the reverse camera input. (this will show the reverse camera even if the 360 system is not on)
9. Check the system, by turning on the ignition and shifting into reverse.
10. You should see the backup camera.
11. Calibrate the system.