

**Jeep Wrangler Adjustable Rear Vision System with 4.3" Mirror Display
2007 – Current (Kit # 9002-8845)**

Items Included in the Kit

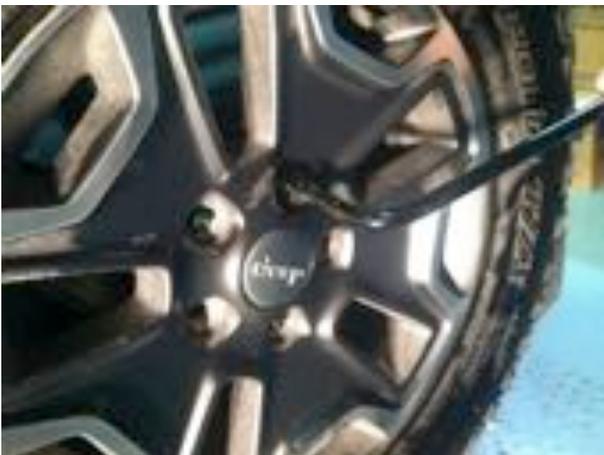
- Camera
- Chassis Harness
- Power Harness
- Mirror Harness
- Mirror with video display
- Zip lock bag with 15 Wire Ties & 3 Push Nuts
- Camera Extension Bracket
- These Instructions

Required Tools & Supplies

- T15 & T20 Torx Bits
- 7mm & 10mm Sockets
- Phillips Screwdriver
- 3/8" Wrench or Socket Drive
- Plastic Trim Removal Tool
- Soldering Iron, Solder, & Heat Shrink Tubing
(RECOMMENDED) or T-taps as an alternate
splicing method
- Electrical Tape

Install Camera

Step 1: Loosen lug nuts to remove spare tire.

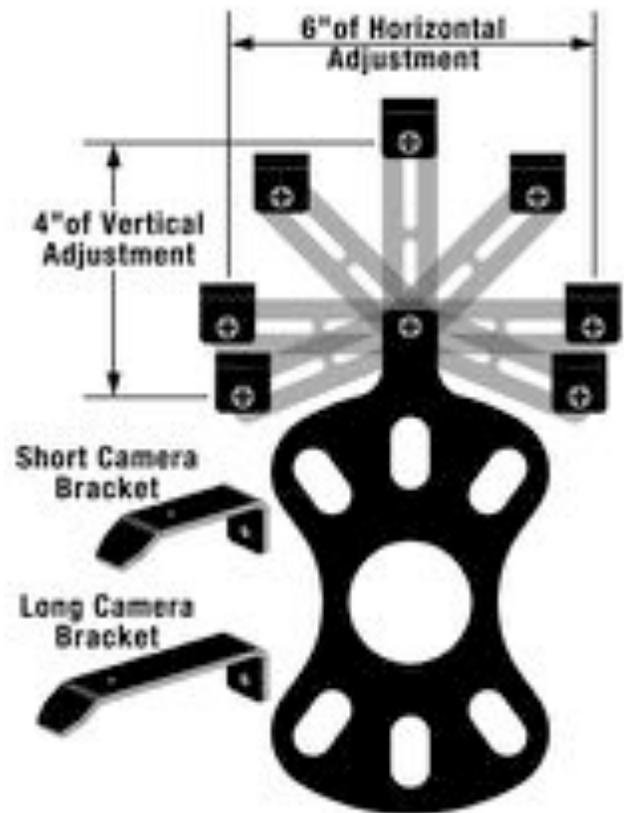


Step 2: Slide Camera on studs placing harness end inside of tire carrier.

Step 3: Adjust Camera head to fit your specific wheel. Bracket is shipped in factory wheel configuration.



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.

INSTALLATION INSTRUCTIONS

Step 4: Remove spare tire and slide (3) supplied Push Nuts on the studs.



Step 5: Reinstall spare tire.

Install Chassis Harness

Step 6: Insert connector from Camera connector through the rear gate vent behind tire carrier.



Step 7: Using a plastic trim removal tool, remove interior panels on inside of rear gate.



Step 8: Pull harness through the rear gate openings.

Step 9: Use supplied Wire Ties to secure Chassis Harness to existing harness.



Step 10: Use supplied Wire Ties to secure Chassis Harness to existing harness.



Step 11: Use supplied Wire Ties to secure Chassis Harness to fabric factory wire cover. CAUTION: Leave enough slack to allow gate to open fully.



INSTALLATION INSTRUCTIONS

Step 12: Use a T20 Torx bit to remove subwoofer box.



Step 13: Using a plastic trim removal tool, pry off rear seat belt closeout.



Step 14: Remove the B-pillar cover to gain access to the passenger door sill.



Step 15: Pull out subwoofer box slightly to gain access to run Chassis Harness along existing harness

Step 16: Pull back carpet and continue running Chassis Harness forward.



Step 17: 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.



Step 18: Remove rubber bin insert from top of dash.



INSTALLATION INSTRUCTIONS

Step 19: Remove 7mm bolt .



Step 20: Using a plastic trim removal tool, remove window switch panel.



Step 21: Disconnect harness from window switches.



Step 22: Remove 7mm bolt.



Step 23: Remove driver knee bolster cover.



Step 24: Remove (2) 7mm bolts on both sides of the steering column.



Step 25: Remove center stack/cluster surround.

INSTALLATION INSTRUCTIONS

Step 26: Remove glove box for access and run Mirror Harness toward center of dash.



Step 27: Using a plastic trim removal tool, remove HVAC panel.



Step 29: Connect Chassis Harness to Power Harness



Step 28: Connecting Power harness.
Splice Red power wire to Blue/Red wire on back of power point and Splice Black Ground to Black/White wire. **RECOMMENDED:** Use solder and cover with heat shrink tubing or use T-taps as an alternate connection method. **Also connect the mirror power at the same power point. Run the harness to the passenger kick panel.**

Step 31: Connect the camera video RCA to the mirror RCA marked CAMERA.



INSTALLATION INSTRUCTIONS

Install Mirror

Step 32: Unplug factory mirror connector from back of mirror.



Step 33: Use a T15 Torx bit to remove factory mirror and slide the mirror upward off the mounting tab. CAUTION: Do not twist mirror as windshield damage could result.



Step 34: Carefully install supplied Mirror by sliding it downward on the mounting tab. CAUTION: Torque supplied Mirror screw to 1.8 Nm (16 lb-in) and do not exceed 2.2 Nm (19.5 lb-in).

Step 35: Begin running mirror connector end of Mirror Harness to harness at the mirror by first removing IP access panel.



Step 36: Remove passenger side sun visor using a T15 Torx bit.



INSTALLATION INSTRUCTIONS

made properly. If all of the connections are correct you will see the camera image displayed on the mirror.

Step 37: Use a Phillips screwdriver to remove Phillips fastener on upper-A pillar and remove pillar.



Step 38: Remove lower A-pillar cover (no tools required).

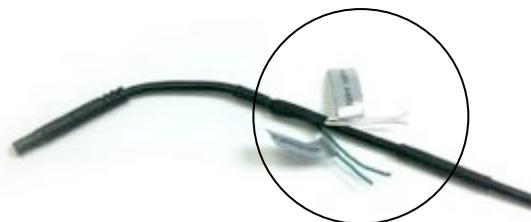


Step 43: Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

NOTE: This camera has parklines or non parklines and mirror image or non mirror image options.

Grid line options: Default setting is to display grid lines. To remove the grid line display, connect the two green wires near the end of the camera harness.

Display options: (Not to be used in this application!) Default setting is mirror image display for rearward facing camera (rear view) installation. To change to non mirror image for forward facing camera (front view) connect the two white wires near the end of the camera harness.



Green and white wires on the camera harness.

Step 39: Pull down right side of header panel.

Step 40: Connect the supplied Mirror Harness to Mirror.

Step 41 Connect the **GREEN** wire from the mirror harness to the reverse wire in the passenger kick panel.

Note: The wire is in the factory wire harness located in the passenger foot well, locate the White/Gray Reverse signal wire and splice

Step 42: Test the system. Start vehicle and shift into Reverse in order to check that all connections were