

Jeep Wrangler Adjustable Rear Vision System with Mirror Display 2007 – Current (Kit # 9002-8846)

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.

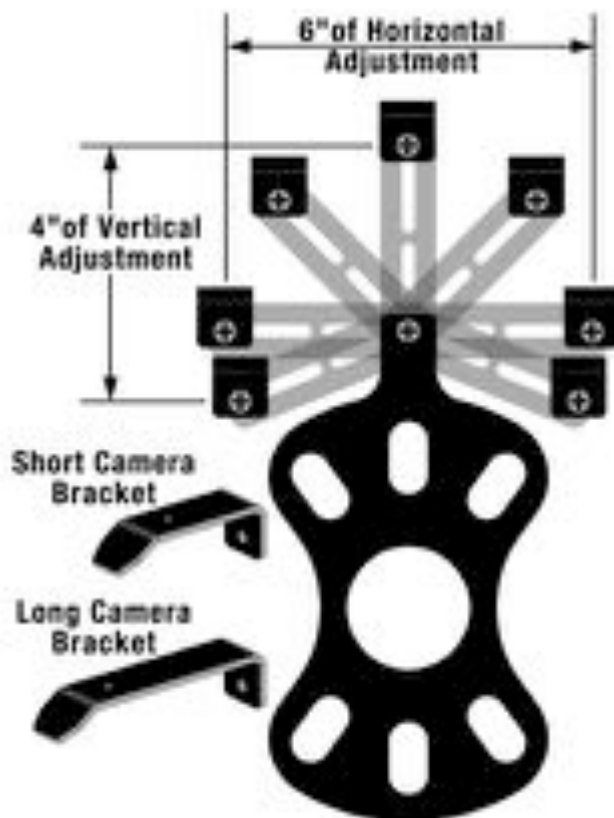


Step 2: Slide Camera on studs placing harness end inside of tire carrier.

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: Pull out subwoofer box slightly to gain access to access panel.



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 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.



Step 29: Connect Chassis Harness to Power Harness



Install Mirror

Step 30: Unplug factory mirror connector from back of mirror.



Step 31: 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.



INSTALLATION INSTRUCTIONS

Step 32: 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: Use a Phillips screwdriver to remove Phillips fastener on upper-A pillar and remove pillar.



Step 33: Begin running 10-pin mirror connector end of Mirror Harness to mirror by first removing IP access panel.



Step 36: Remove lower A-pillar cover (no tools required).



Step 34: Remove passenger side sun visor using a T15 Torx bit.



Step 37: Pull down right side of header panel.



Step 38: Run supplied Mirror Harness to Mirror location.

INSTALLATION INSTRUCTIONS

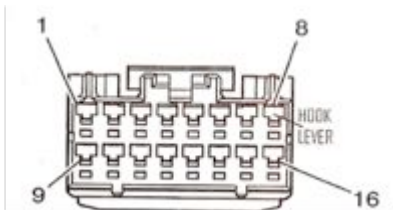
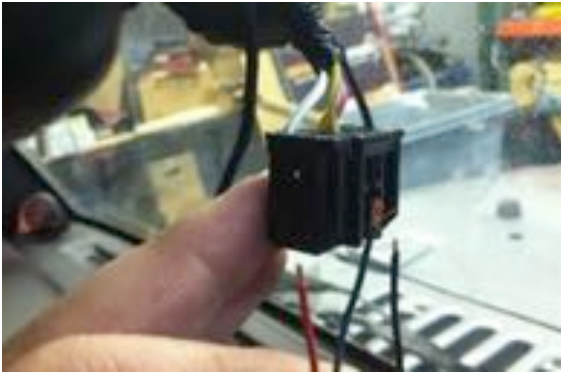
Step 39: Splice the red and Black wires located near the 10-pin connector on supplied Mirror Harness to the below indicated wires of the factory mirror harness using solder and cover with heat shrink tubing (recommended).

Splice the green wire located near the 10-pin connector on supplied Mirror Harness to the below indicated wires of the factory mirror harness using solder and cover with heat shrink tubing (recommended).

16 Pin Position 9 - Reverse White/Gray to Green Wire

16 Pin Position 13 - 12v Ignition Pink/Yellow to Red Wire

16 Pin Position 8 – Ground Black to Black Wire



16-pin Connector face

NOTE: If vehicle is not equipped with a power mirror use this wire for reverse.

In the factory wire harness located in the passenger foot well, locate the White/Gray Reverse signal wire and splice Green Reverse wire from supplied Mirror Harness

Step 40: Connect supplied Mirror connector to supplied Mirror Harness.



Step 41: Connect supplied Mirror Harness to supplied Power Harness.



Step 42: Test the system. Start vehicle and shift into Reverse in order to check that all connections were made properly. If all of the connections are correct you will see the camera image displayed on the factory display screen. To enable or disable the camera input, select from among rear vision options in radio settings.

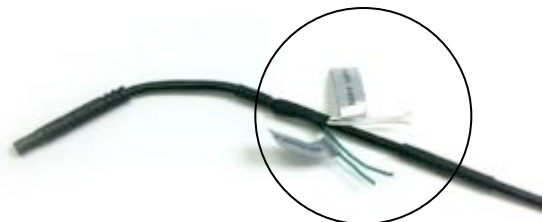
Step 43: Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

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.