

Z Automotive

JL Wrangler Front Camera Installation



Section 1: Camera Installation

Step 1: Grill Modification to fit camera

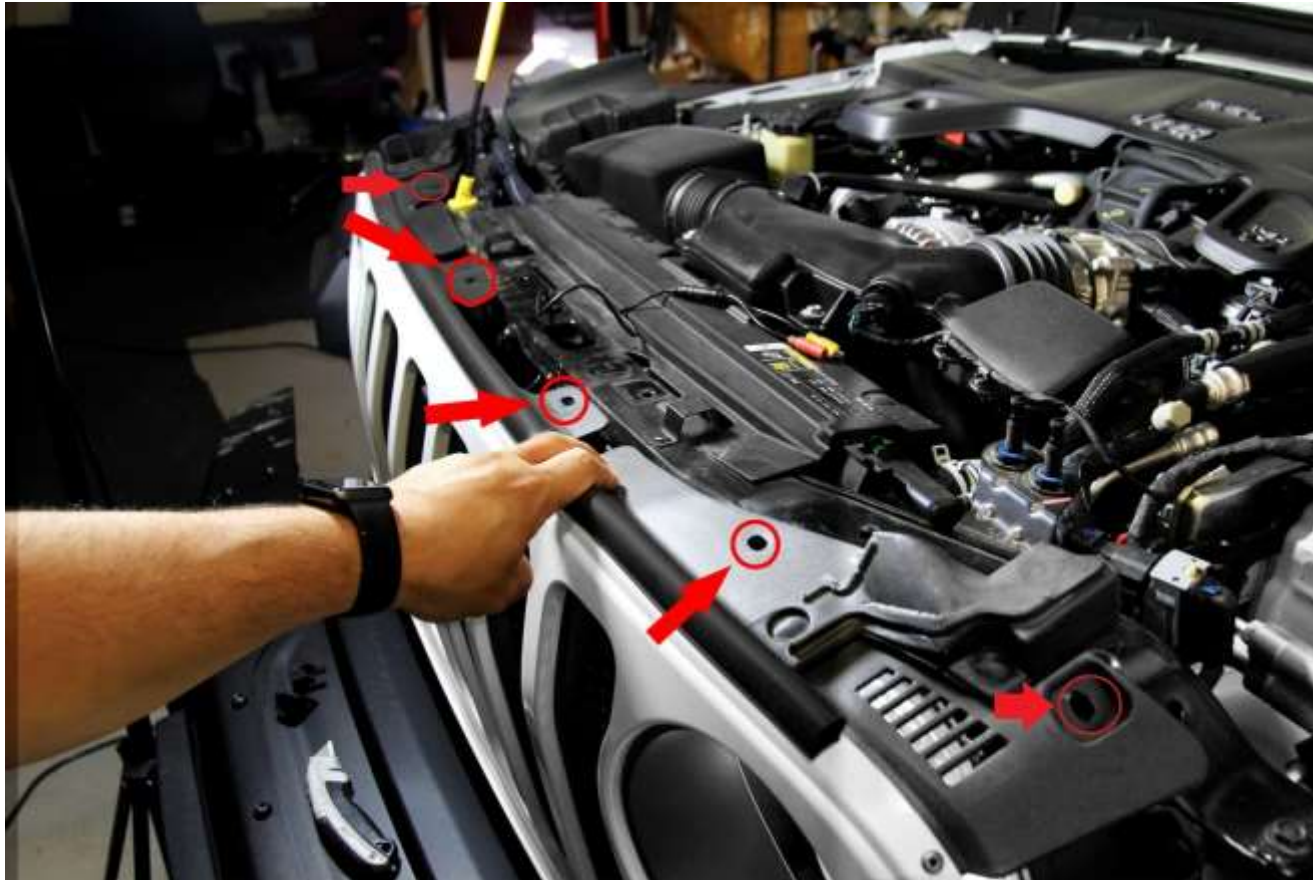


Using a box cutter or wire snips, trim middle grill slating to fit camera bracket



If you need to replace the grille insert due to a mistake in cutting or if returning to stock, the Mapar part number is 6DF50RXFAC and costs under \$15 from your local Jeep dealer or various online retailers.

Step 2: Camera Bracket Installation



Start with removing the 5 clips holding the top of the grille to the core support. Once removed, you can lean the grill forward to aid in installation. Starting with the bottom tab, insert into grill then snap the upper camera mount into place. It is recommended to only lightly fit the mount into the grill and not snap it into place until the rest of the installation is complete to simplify aligning the camera.

Step 3: Camera Connector Wiring



Using the included heat shrink tubing, place over one side of the camera connectors then plug in the mating connector making sure to cover both connectors with the heat shrink. Once heat shrink is centered, use a lighter or heat gun to constrict the tubing over the connectors.

Step 4: Wiring Routing Diagram



Use this as a guide for how to route the included wiring harness.

Step 5: Clutch Plug Modification



Remove clutch plug located on the firewall below the brake booster on the driver side. Using a 1/2" Drill Bit, drill a hole in the center of the plug to route the wiring into the vehicle. It is recommended to use a grommet or Silicon to seal the wiring in the plug.

Step 6: Running Camera Wiring



Using the wire routing diagram, run the camera wiring down the front of the vehicle and against the fender. The rear washer nozzle tubing hold down can be used to hold the camera wiring also. Run the wiring through the clutch plug and into the vehicle. Route under the dash and through the Push to start wiring hole. NOTE: It may be easier to first run the wiring through the firewall from inside the vehicle. Make sure to run wiring through clutch plug before running to the grill.

Section 2: Wiring Video Input to Radio

Step 1: AC Control Removal

Using a trim pry stick , carefully release the tabs on either side of the center dash AC Controls. Once Released, unplug the two connectors on the back.



Step 2: Radio Bezel Removal



Using a Phillips head screwdriver, remove two screws holding radio bezel to dash. Once screws are removed, use a trim stick to remove bezel from dash.



Once screws are removed, use a trim stick to remove bezel from dash.

Step 3: Radio Removal

Using a phillips head screwdriver remove 4 screws holding radio into dash.



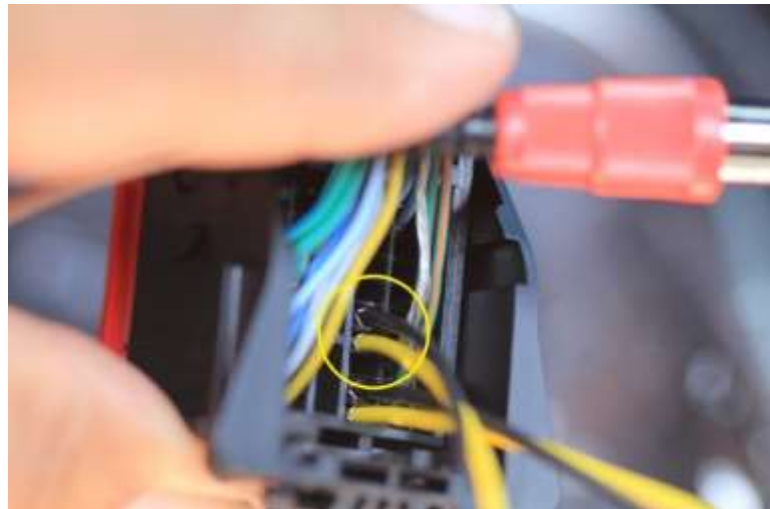
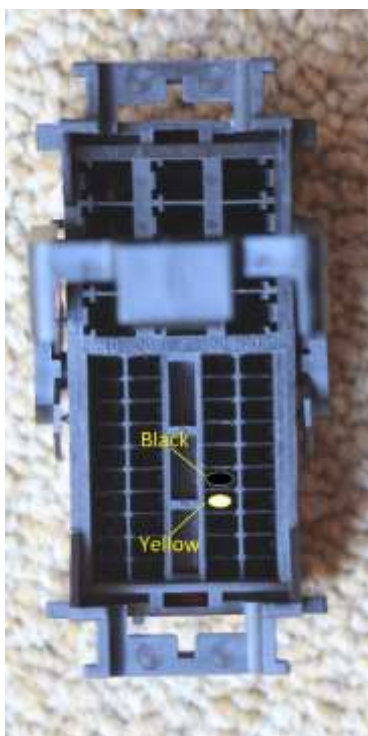
Step 4: Camera Input



Unlatch the large radio connector arm and raise the arm to release the connector.



Using a small flat head screwdriver, raise red terminal locking plate off the main radio connector.



Once the cover is raised, plug the yellow wire's pin of the supplied RCA cable into slot 24, and the black wire into slot 25. They should snap into place. Once installed, re-seat the red terminal locking plate.

Step 11: EZ Power harness



Unplug the driver side cigar lighter plug. Plug the inline EZ Power harness in between. At this time, also connect the RCA connector to the connector you just pinned into the radio connector.

Reinstall radio and all dash pieces.

Section 2: Cargo Camera Input Activation

Step 1) Using your Tazer JL, navigate to RADIO > CARGOCAM and change from CARGOCAM = NO to YES.

Step 2) Cycle the menu to the Full Reboot function

Step 3) Allow the Jeep to sleep (vehicle locked and keys away from vehicle for 5 min each time) twice.

Step 4) Turn on cargo camera from Controls section of the radio and align the camera to make sure it is level. Once level, snap camera fully into grill.

Do these modifications at your own risk. Z Automotive Technologies is not liable for any damage that may occur from installation.