

Hybrid Highlander Rear View Camera Installation Instructions

Thank you for your purchase of the Coastal Electronic Technologies, Inc. Rear View Camera system. It is shipped with necessary wiring and connectors for trouble free installations and when paired with the Camera Lockpick or Ultimate Camera Lockpick, will automatically display the view from the rear view camera when the car is placed in reverse. It is suggested that you install the camera and Lockpick at the same time. Lockpick installation instructions are included in their kit literature.

Installation includes:

- Removal of panels around the underside of the lid of your rear hatch
- Small hole drilled for camera wire to pass
- Mounting of camera and routing of cables to reverse tail light
- Connection of camera power to reverse tail light
- Routing of video cable to front of vehicle

It is recommended that you have this installation performed by a certified installer with experience in vehicle electronics. Coastal Electronic Technologies Inc. accepts no liability for use or installation of this product.

Begin your installation by becoming familiar with the components and planning appropriately for the time involved for completion. Typically, you will need approximately 1 hour although this may vary with your experience level. You may wish to change the order and configurations of these instructions to accommodate your ability and schedule.

Toyota utilizes plastic or metal friction locks for most of its assembly of interior body panels. These are dislodged by pulling the panels free using moderate pressure and techniques. A simple help to start the removal of the panels is to use a plastic bondo spreader, screwdriver or other flat tool to start the process of pulling the panels free from their locks. Once it is started, you can use your fingertips to continue carefully pulling the individual panel free. Some panels will overlap others so check to make sure that the panel you are removing is the one on top.

To install the Camera Assembly, the panels from the underside of the Highlander hatch must be removed. They are removed by manually pulling them free using standard techniques described earlier. Start with the smaller panel closest to the hinge and move rearward. There is a bolt holding the pull strap which must be removed before the panels can be removed. It is covered by a plastic tab which is popped off first to expose the bolt.



Next, remove the license and license plate holder from your hatch and discard the original screws. They will be replaced by the high security screws included in your kit. Notice the “dimples” behind the license plate area locating where optional license plate bolts may be placed (in case you had a 4 hole license plate frame, etc.). Drill a ¼ inch hole in one of these dimples so that the cable from the license plate Camera can be passed through to the inside. Mount the license plate Camera using the included screws and special Allen wrench and pass the Camera wire through into the inside. Place some silicone or other sealant around the wire and the opening created to protect against moisture.

Remove the cap and the bolt holding the upper left side, rear seat belt holder and pull the panel partially free. Remove the push clips visible on the edge of the headliner and pull down the edge of the headliner so that you can begin routing your cables. Bring the camera wire from your harness around to the larger rubber boot connecting the hatch wiring to the interior of the car. Manipulate the camera connector up through this rubber boot. Take your time :) Once through, make your connection to the cable from the license plate camera to complete this phase.

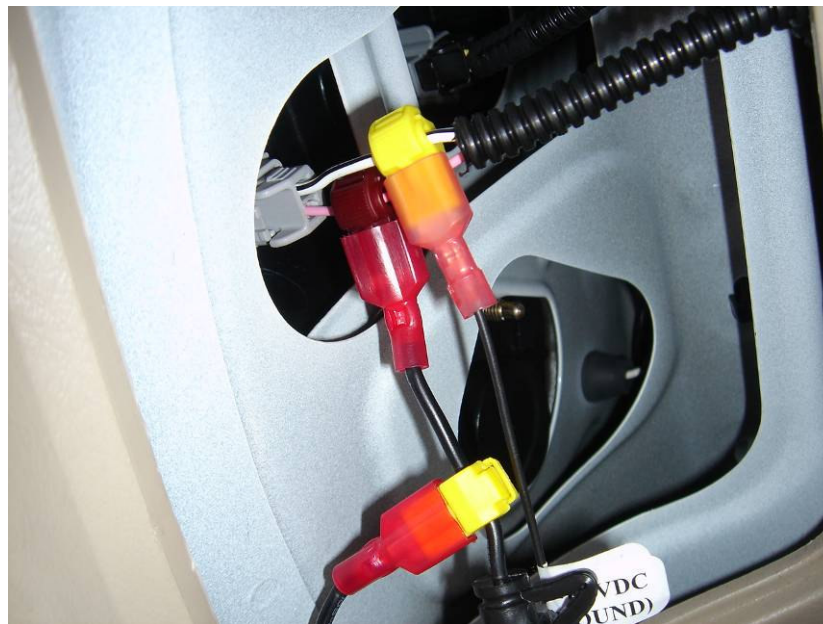


Route your cable down the left side and out near the area behind the tail light. This is where we will make the connections for camera power and ground.



The wiring harness for your camera contains connectors and wire taps so that no wires will need to be cut during installation. The wire taps are designed to simply fold around a wire, and when squeezed together with a pair of pliers, create a convenient connection for your harness wires to plug into. Locate the wires behind the clear reverse tail light. Place wire taps on both wires of its connector (PINK and WHITE W/BLACK STRIPE)

Plug the wires from the camera harness into the appropriate wire tap. The GROUND wire from your camera harness plugs into the WHITE W/BLACK STRIPE wire and the 12V/REVERSE wires are both plugged into taps on the PINK wire. You may find it more convenient to place a tap on one of the power wires of the camera harness to connect them both together, and then place a single tap on the PINK wire to make your connection to.



The additional lengths of camera harness wiring may be stored inside this panel area.



Next, the video cable from the camera is routed to the front of the vehicle. This is accomplished by lifting out the rear cup holder and pulling the cable up and through to the front of the vehicle. There is a bolt on the front of the cup holder panel and then it can be lifted out. Tuck the wire under the edge of the trim panels along the doors as you bring the video cable up to the front of the car. The trim panel should be pulled up at the driver area to allow the kickpanel up front to be pulled free. Again, no screws are holding these panels in place and are simply pulled free with your fingertips.



Finish your installation by bringing the video cable up to the back of the screen and plugging it into the connector provided by the Camera Lockpick. Tie up any extra cable and place behind the kickpanel before reinstalling.

Enjoy and Thank You for your trust in Coastal Electronics, Inc.