

Universal Dual Mount Camera Kit for Toyota Display Radio (Kit part number 9002-7630)

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

Items Included in the Kit:

Bag containing:
Camera with License Plate Bracket
Chassis Harness
Jumper Harness
Small Zip Lock Bag containing:
Two License Plate Bolts
Allen Wrench
Alternate Camera Mount Bracket with
Adhesive Foam Pad
These Instructions with Template (below)

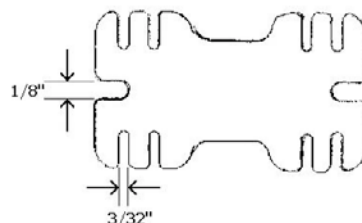
Tools & Supplies Needed:

Phillips Screwdriver
10mm Socket
Center Punch
1/4" Drill Bit
Power Drill
Wire Ties
Electrical Tape or Heat Shrink Tubing
Plastic Trim Removal Tool
Soldering Iron & Solder (Recommended)
Rubber Grommet or Silicone Caulk (Recommended)
Vehicle service manual (If needed)
Small sheet metal screws (Optional; recommended
for Alternative Camera Mount Bracket install)

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



INSTALLATION INSTRUCTIONS

Step 1: Select and Install Camera Bracket

Determine which of the two supplied camera mounting methods you prefer:



License Plate Bracket



Alternate Camera Mount Bracket

Place camera in desired position to confirm fitment (IMPORTANT: Some states prohibit items blocking the license plate; check local authorities to confirm legal status for your application).

If using the **License Plate Bracket**, remove license plate. Reattach license plate with supplied License Plate Bolts securing bracket behind. (NOTE: License plate frames may require trimming to be used with the License Plate bracket.)

If using the **Alternate Camera Mount Bracket**, remove the camera from License Plate Bracket using the supplied Allen wrench. Attach camera to the Alternate Camera Mount bracket and apply supplied Self-adhesive Foam Pad to the back of the bracket.

Use the **Template** included on Page 1 to position the Alternate Camera Mount Bracket on the vehicle.

Clean vehicle surface to which mount is to be attached and affix by exposing the other side of the Self-adhesive Foam Pad. (RECOMMENDED: Permanent attachment using screws.)

Step 2: Measure, mark, and drill a 1/4" hole for the Camera Harness. NOTE: If your vehicle has a liftgate panel/ trunk trim cover, it must be removed.



Step 3: Insert connector end of the Camera Harness through the hole you drilled.

(RECOMMENDED: Protect Camera Harness from sharp metal edges by applying a small amount of silicone caulk or a rubber grommet (shown) to the area that comes into contact with the metal).



Step 4: Route Camera and/ or Chassis Harness along existing wiring and secure using wire ties or electrical tape. IMPORTANT: Ensure harnesses move freely with the trunk or liftgate.



Step 5: Route Chassis Harness forward. It may be necessary to remove sill plates, pillar covers, seat bottoms, side panels, etc. Use a plastic trim removal tool to avoid damage to trim pieces. In some cases, seatbelt bolts at the bottom of the pillars must be removed. (**CAUTION:** Any bolts removed for safety devices must be retightened to manufacturer's specified torque specifications.)

Step 6: Connect Camera Harness to supplied Chassis Harness. The optimal location for this junction may occur at the top of the liftgate or inner trunk edge.



Step 7: Route Chassis Harness. It may be necessary to remove sill plates, pillar covers, seat bottoms, side panels, etc. In some cases even the seatbelt bolts at the bottom of the pillars must be removed (**CAUTION:** Any bolts removed for safety devices must be retightened to manufacturer's specified torque specifications). Use a plastic trim removal tool to avoid damage to trim pieces.

INSTALLATION INSTRUCTIONS



Step 8: Use a plastic trim removal tool, 10mm socket, and Phillips screwdriver to remove garnish and fasteners securing the radio display.

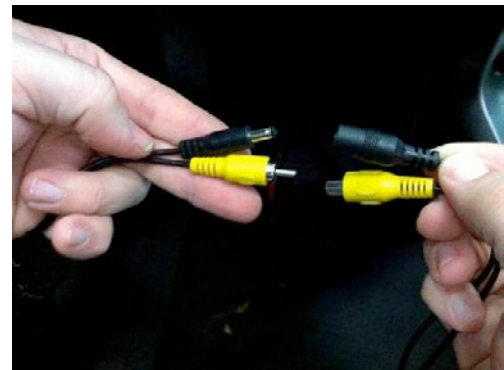
Step 9: Remove the radio and disconnect the smaller white 16-pin connector.

Step 10: Plug the white 16-pin radio connector into the female end of supplied Jumper Harness.

Step 11: Plug the male 16-pin connector of supplied Jumper Harness into the radio.

Step 12: Route supplied Chassis Harness under carpet to the center console area. **CAUTION:** Keep harness away from accelerator, brake pedal, and parking brake assembly.

Step 13: Connect Chassis Harness to supplied Jumper Harness RCA and power plugs.



Step 14: Use wire ties or electrical tape to secure Chassis Harness and Jumper Harness RCA and power connections.

Step 15: Coil any excess Chassis Harness and secure it and the Jumper Harness to existing vehicle wiring with wire ties or electrical tape.

Step 16: Reinstall radio display and inspect that all connections are proper and secure.

Step 17: Test system. Close trunk or liftgate and clear all removed items from around the vehicle before starting the vehicle. Next, shift into Reverse and check radio display for the camera image.



Step 18: Adjust camera aim. Use the supplied Allen Wrench to loosen the camera mount bolt. Tilt camera to the desired viewing angle and retighten the bolt.

Step 19: Reassemble vehicle. Follow your disassembly steps in reverse order, taking care not to bind the harness wiring when reinstalling trim.

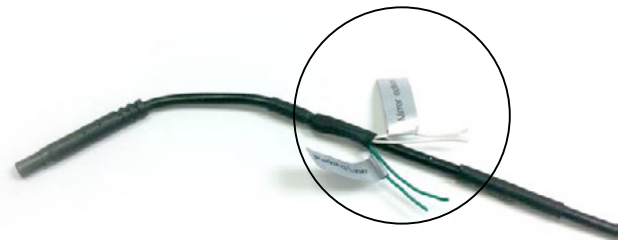
INSTALLATION INSTRUCTIONS

CAMERA OPERATION

The camera offers grid lines or non grid lines and mirror image or non mirror image options.

Grid line options: Default setting **displays grid lines**. To remove the grid line display, connect the two green wires near the end of the Camera Harness.

Display options: Default setting is **mirror image display** (i.e., words and letters appear backwards as in a mirror) for **rearward facing camera** (rear view) installation. To change to **non mirror image display** 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.