

## 1: Toyota Rav4 Owners Manuals | Just Give Me The Damn Manual

*View and Download Toyota RAV4 maintenance manual online. RAV4 Automobile pdf manual download. Install new plugs of the same type as originally equipped.*

In the end I got what I wanted exactly how I wanted it done with customizations the local shop would not have done or would not have done with the fit and finish I wanted or would have charged more than I could afford. BUT, my vehicle was down for most of a week and at various points I felt pretty overwhelmed Attachment So unless you are as picky about details as I am, consider strongly hiring the pros. And I had a few other ideas I wanted to see if I could do Most of what I wanted looked to be out of the box functionality per the Kenwood HU specs or provided by the interface devices used for the install. The customization mostly came with trying to make things look good and work the way I wanted once installed in the car. They were right mostly. I also purchased a small set of plastic panel removal tools. Just having a couple of good panel tools made a world of difference, even in just making me feel like I could remove them without damage. With trim panels removed, gained access to the 4 bolts holding in the OEM head unit and removed those. Unlatched the various electrical connectors including the two antenna connections FM and XM. Same with the climate controls panel below the HU, and I disconnected the wiring connectors but left the SmartKey switch connected and let the panel dangle from the SmarkKey button wires. Removed the passenger front door scuff plate and kick panel trim to allow access to the OEM video cable. Attachment Attachment Attachment Re: I used a razor knife to gently slice very tiny parts of the wiring sheath off each of the two wires. On the first wire I tired, once I cut through the sheath and the foil shielding I could see barely that at least one of the wires inside was NOT red, white, black, or bare metal. I stripped each so the stripped area for one was about an inch down the wire from the stripped area for the other. I then followed the referenced post directions: OEM white wire to center wire of my new video cable; OEM red wire to outer shield of my new video cable. I ran my new video cable along the scuff plate wire bundle, up behind the kick plate, and across above the glove box area to the new HU, securing with zip ties along the way. Since I spliced the wires, the OEM backup camera image still displays on my rearview mirror which I mostly ignore now , as well as in the new, larger HU display. In the end I just plugged every connector that matched between the Maestro control interface box, the T01 wiring harnesses, and the OEM harnesses which was a weird approach, to me. But there were 2 versions of the diagram, and some major differences in wiring for hook up to head units that a accept direct data connection to the Maestro like my Kenwood and b those that do not which was the instructions from which I was first working. Crutchfield tech support helped unravel the mystery. And remember you do have 60 days to return to Crutchfield, so they have a vested interest in helping you make it work. The instructions are clear enough for that and after borrowing a Windows laptop AND being granted Administrative Rights on the laptop! I had no problem setting up the Maestro as required. I just plugged in what seemed to fit based vaguely on the diagrams. Luckily, in the end I used the RCA but not the additional wires and presumably any needed signals reverse, etc. AUX IN for details. Both USBs provide charging capability. Being able to use CarPlay on one USB connection but then NOT being able to dedicate the second USB port to an iPod was a big disappointment to me, especially since I ran cables and customized ports in the center console front and under the armrest to support this use then was unable to use it the way I intended thinking I would leave an iPod loaded up with music in the console box under the armrest, and plugged into a USB I installed there. Most of the dual ones provide charging only, or at most 1 charging outlet and one data outlet, so be aware when ordering. I finally settled on the only outlet I could find that would a pop into the OEM switch cover hole without modification, and b had at least 1 USB data port. That one also had a 3. When I connect a USB flash drive to it in that location, it works as it should. Only change required was cutting off the snap-closed OEM 12V outlet cover since it would not close with the USB adapter plugged in place. This gives us two extra USB charging outlets to easily charge our tablets, etc. If we DO need a standard 12V outlet at some point, we can still pull the plug-in adapter and use it. I left the 12V outlet in the very back of the car unmodified. The panel in which the 12V outlet under the armrest is mounted is easy enough to pop out, but actually removing the 12V outlet was a challenge and I ended up

damaging it getting it out. That makes it accessible best to back seat passengers even though whenever we used it was always by one of the two people in the front seats. By pulling panels, gear shift knob, and removing the various screws that hold the entire center console in place including the under armrest box, I was able to raise the center console armrest box enough to see that there was just enough space in the metal mounting frame under the armrest console box rear of the airbag control box mounted there to allow the OEM volt jack to be relocated there, facing up. Because it was so close to the OEM location, no changes to the OEM wiring were necessary which if it had been, probably would have made me forget the whole idea. So with careful measuring I drilled and used a razor knife to cut a new hole in the bottom rear of the armrest console box the same size as the OEM volt outlet switch. With a little trimming the switch snapped into the new location perfectly, facing up from the bottom of the box with the OEM cover over the outlet, and I reconnected the OEM wiring connector. I purchased a small, inexpensive, standard 12V backup camera but specifically one without gridlines superimposed on the image. I cut a piece of stiff scrap plastic a divider for a tackle box compartment I had laying around to the shape of the OEM V outlet inset hole, leaving it oversized enough that it would pressure fit and snap into the original outlet hole. I then drilled the appropriate-sized hole in the center of the scrap plastic for the camera lens to pop into from the backside again, pressure fit. I spray painted the plastic black from the back side - the piece of plastic I had used was translucent, so the black color showed through. This allows me to turn the camera on only when desired, and the lighted switch is a reminder when it is on. I then ran the video cable from the new camera under the center console up to the new HU. The angle of the OEM V outlet hole made it almost perfect mounted a bit higher up would have been ideal to point the camera lens so as to allow view of the back seat passengers when we haul our young grandkids or the dog around. Not something for which I would have paid extra, but since it was there! As discussed above, I replaced the OEM 12V outlet under the center console armrest with a pop-in plug I bought online with two ports molded-in - 1 USB and 1 HDMI - with their respective cables permanently attached. See pictures in section above: That may be true, but only if your XM tuner was a separate unit typically installed under the passenger seat. I purchased the SXVV1 and found a place about a foot away from my HU behind the front center console below and to the right of the HU to mount the small tuner box out of sight. You will need to use the included SiriusXM antenna". Crutchfield was unaware of this product. All the extra cable I just rolled up and tied off behind the HU. Apparently it is required or recommended to provide your smart phone a better GPS signal when you are using navigation apps in CarPlay or Android Auto. Based on the instructions and reviews of other threads, I chose to stick it with the supplied double-sided tape to the top of the non-metallic center AC vent ductwork, above and behind the head unit, and just below the surface of the non-metallic dash. I just bundled the extra cable for that antenna in the same area, and it seems to work just fine. I saw a fair number of " I had to use the microphone that came with my new head unit I was hoping to find a way to splice the wire from my new HU into the wiring for the factory microphone to avoid the less-than-clean look of the aftermarket mic that came with my new HU dangling from the headliner or stuck to the dash somewhere. But I knew next to nothing about the audio or electrical ramifications of such a splice. I inquired on the forums as to if anyone had successfully accomplished a tie-in to the factory mic, but got no responses. I read various RAV4 and other Toyota forums and gathered the factory mic is an amplified mic whereas the typical HU including my Kenwood accept connection to passive mics. Saw various posts on options to attempt to disconnect the amplified mic and make it passive, but sounded like mixed results. I chose to use the mic that came with my HU. To make it look OEM, I installed it behind the grill opening in the overhead console where the factory mic was located. The factory mic is connected to a small circuit board - likely the amplifying circuit. I disconnected the mic connector and left the short wiring taped in the factory location. And hidden behind the OEM mic grill it looks just the way I wanted it. I posted an earlier thread regarding the microphone, and due to limitations on images here, see that thread for pictures. Here is the link: [The Kenwood DDXS](#) apparently supports these optional features via the Maestro interface some HUs may not and the HU provides a way to get to a screen that displays various real-time digital gage readings tach, various temperature reading, etc. I will probably not use these much, so I have not yet done exhaustive testing, but they do work. That I will definitely use, and especially because that particular readout can be set up as one of the background splash

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screens on the HU so I can set it to display at each start up without navigating through a bunch of menus to see it. Most of my thoughts and comments match what others have said about their dash kits from various manufactures: Several contributors talked about getting their dash kit sounds like from Crutchfield as a freebee along with purchase of a new HU. That meant in the end that my HU is quite secure although my dash kit is really only held on by the two metal clips at the top, but it seems secure enough and fits without any gaps or rattling. There are some unhappy folks out there, and there ARE some real issues with this unit some maybe common with other head units user interface, etc. As of this date no firmware updates have been made available from Kenwood about which all reviewers are unhappy! My biggest disappointment with this unit: I tried using several quality extension cables with a range of USB flash drives, but every one of them produced a USB read error message on my head unit. The error message will continue to display on the HU until you disconnect whatever you have connected to the USB port so no ability to use that USB port when using an extension cable at all, even just to charge something, due to the constant error message. Outstanding Dash Kit Issue: There is a thin rectangle trim piece that goes tight around the face of the HU, theoretically snapping into place at the end of the install. One of these trim pieces comes with the dash kit and it fits in the Double DIN dash kit opening just fine. It will either bind and possibly damage the HU motor or disengage the trim and push it out of the kit. This is due to the angle at which the motorized HU face levers out away from the HU. So that is probably why Kenwood provides their OWN trim piece to use with a chamfered edge. Unfortunately, the Kenwood trim piece is too large to snap into the American International dash kit huh? Your documenting everything like you did will be very helpful. Lots of good info here about wire routing and custom modding to suit ones needs. Also thank you so much for the sharing. I just bought a Pioneer head unit. Your experience will greatly help me on the installation. How did you mount your rear camera?

### 2: Make Sure To Hook Up the Parking Brake Wire!! | Tacoma World

*Find everything you need to know about your Toyota RAV4 in the owners manual from Toyota Owners.*

### 3: Toyota Car Installation Parts and Instructions

*Toyota Rav4 Owners Manuals. Below you will find free PDF files for select years of your Toyota Rav4 automobile. Toyota Rav4 Owners Manuals.*

### 4: Relay Del Start En Rav4 | Motorcycles Repair Manual Download and Reviews

*Installing new serpentine belt on Toyota Rav4. \$25 from Autozone.*

### 5: Toyota RAV4 Review, Ratings, Specs, Prices, and Photos - The Car Connection

*Toyota RAV4 electronic workshop manual. This is the same manual the Toyota Technicians use and is written by the manufacturers. Original workshop manual contain pages of highly detailed instructions and clear and precise step by step diagrams for all workshop procedures.*

### 6: Toyota RAV4 Back Up Cameras | Monitors, Mirrors, Complete Systems

*A couple brought us a Toyota Rav4 needing a quality car stereo installation. They are Apple Phone users so they definitely wanted the stereo to have Apple Car Play. We installed the Kenwood DDXS which has excellent Bluetooth integration with their phones.*

### 7: Toyota RAV4 Forums - Active Topics

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*Install the chain cover within 3 minutes of applying seal packing. Do not add engine oil for at least 2 hours after installing the chain cover. Install the timing chain cover with the 12 bolts and 2 nuts.*

### 8: Toyota Service Information

*Rav4 Remote Start Installation The owner of this Toyota Rav4 stopped in our Reno location for a remote start installation. After looking through our remote start section this he felt like the Code Alarm model number CA was the best choice for him.*

### 9: RAV4 Window Lift Motors - Best Window Lift Motor for Toyota RAV4

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