

2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05



First, thanks to everyone who has posted such comprehensive and valuable information on the *priuschat.com* website – I found this website to be an incredibly valuable resource as I prepared for and took delivery of my new 2005 Prius Package 4/AC in Driftwood a few weeks ago, and as I considered purchases and modifications to make this great car better fit my needs. I hope others find this helpful.. it's my way of trying to 'give back' and provide a valuable resource for others considering the same project.

This document is intended to provide a step-by-step guide to replacing the rear speakers in a 2005 Toyota Prius. It is very simple and straightforward. It describes replacement on a 'base' non-JBL system, but should be very relevant (although maybe a slight bit different) for the 'premium' JBL system, and for replacing front speakers (which I also did).

The difference in sound quality is remarkable. I replaced the rear speakers with *Infinity Kappa Series 62.7i, 6 1/2" two-way loudspeakers* and the front door speakers with *Infinity Kappa Series 60.7cs 6 1/2" two-way component speakers* (see links to manufacturer website below). Both sets included adapters that facilitate simple mounting in the Prius' larger door speaker enclosures (most speakers would require purchase of a separate adapter). Both sets also feature crossovers that provide much better sound separation, and allowed me to tweak the treble settings to +3db, which better suits my taste for lots of high treble. I purchased the speakers on ebay for \$85 (for the rear 62.7 pair) and \$160 (for the front 60.7 pair), plus shipping.

It took me about an hour on the first rear door, and 30 minutes on the other rear door (experience counts!) Front doors took about twice as long - the crossovers were a little more complex to wire, and the doors had more 'stuff' to disconnect and re-connect.



Infinity 62.7i
(Rear Doors)

<http://www.infinitysystems.com/car/audio/product.aspx?ProdId='KAPPA62.7I'&Ser=KAP&Cat=MEL>



Infinity 60.7cs
(Front Doors)

<http://www.infinitysystems.com/caraudio/product.aspx?ProdId='KAPPA60.7CS'&Ser=KAP&Cat=COS>

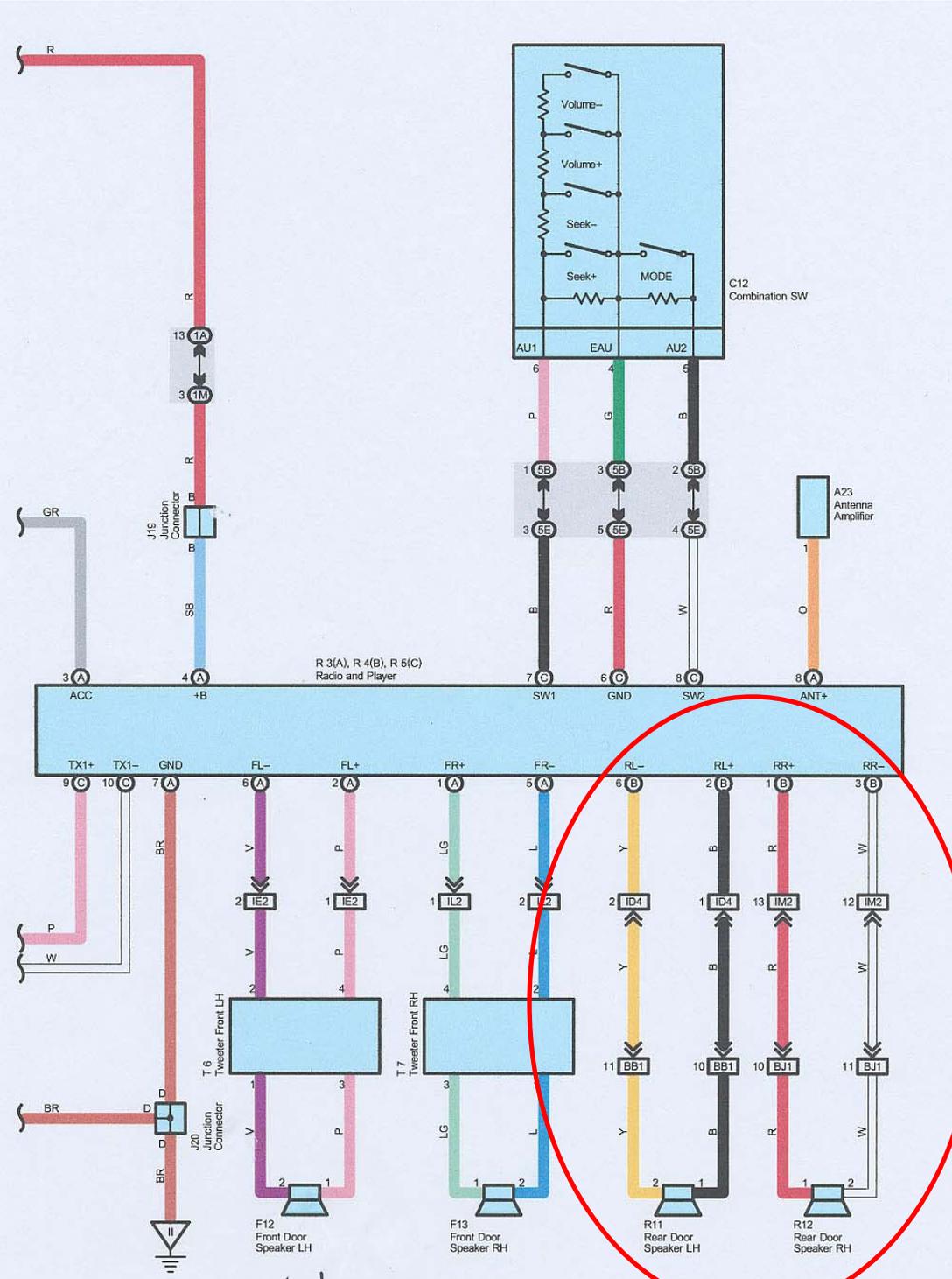
(Not pictured above, but these include crossovers)



2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

2005 Toyota Prius *non-JBL* Stereo Wiring Diagram



Rear Door Speaker Wiring

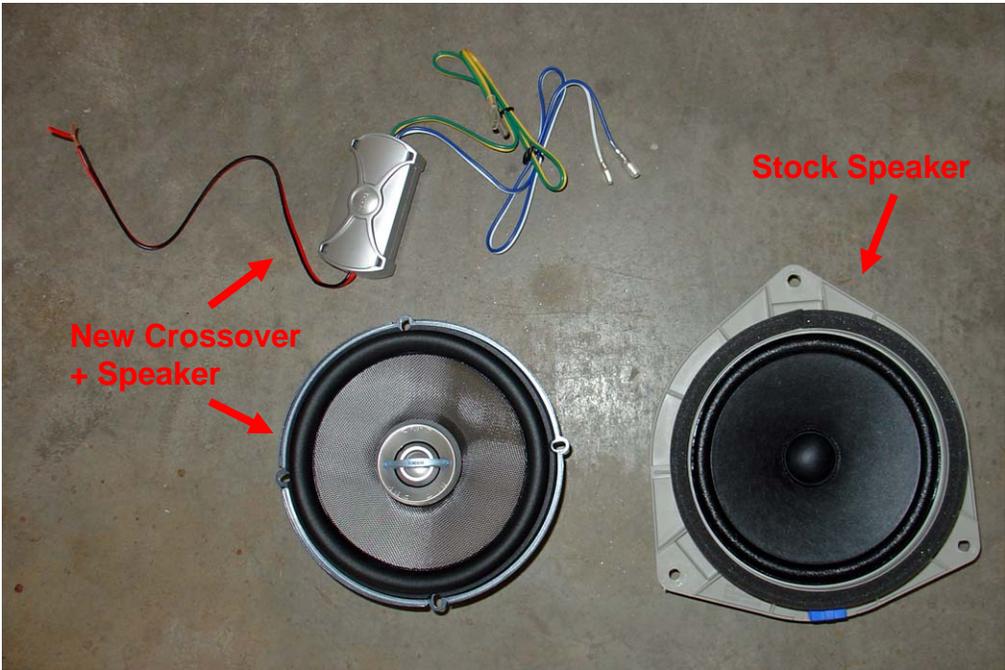
2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

Infinity Kappa Series 62.7i - 6 1/2" Loudspeakers



<http://www.infinitysystems.com/caraudio/product.aspx?ProdId='KAPPA62.7I'&Ser=KAP&Cat=MEL>



2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

Step 1: Remove door hardware - two screws, plastic piece + armrest panel



Remove screw #1 in arm rest panel.



Remove small plastic cover panel and screw #2 in door pull.



Remove arm rest panel – up gently on forward edge – it snaps out very easily,



Disconnect automatic window switch.



2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

Step 2: Remove door panel



Unsnap door panel – pull gently around the edges to unsnap the fittings.



Continue unsnapping panel around the bottom and up the sides; when fully unsnapped, lift panel up – be careful to not scratch windows (especially if you have tint).



Photo of door with panel removed. I had a few *stubborn* white clips stay in the door – remove them from the door by pushing from the inside out – and re-attach them to the door panel.



Photo of stock speaker to be removed.



2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

p6

Step 3: Remove stock speaker and install new mounting bracket



Unclip the connection at the top of the speaker.



Using a 1/8" bit, drill out the rivets – this requires a little elbow grease – don't be gentle. Retrieve any loose parts that fall into the door (so they don't rattle around later as you drive around).



Remove the speaker – amazing how small the magnet is on the back is, and how light the entire speakers is – *no wonder it sounded like that !*

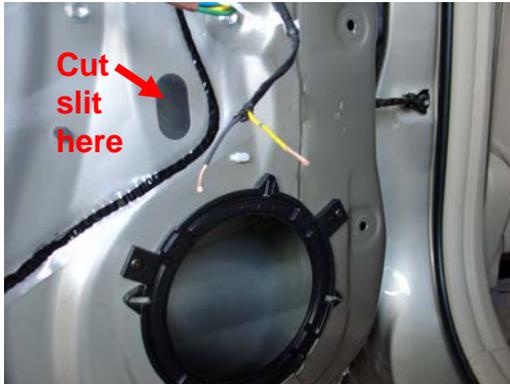


Attach the new plastic speaker mounting bracket provided (pictured above) – use two of the existing holes you just drilled the rivets out of, and drill one new one. Attach with three new screws and clips in the back (as provided).

2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

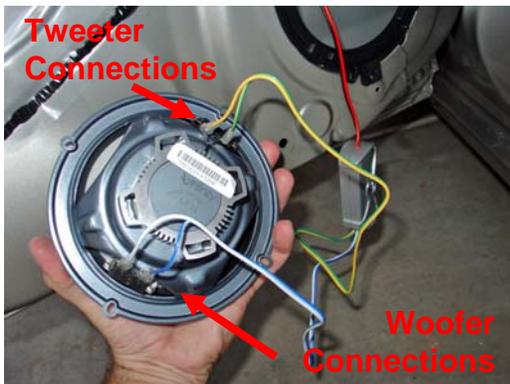
Step 4: Wire and install new speaker



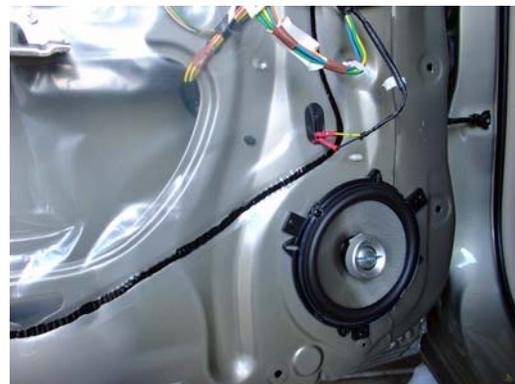
Cut the stock connection from the end of the speaker wire you just unclipped and strip the wires; cut a small slit in the plastic seal to run the connections so you can connect to the back of the speaker (make sure to seal this up later !)



Connect wires (make sure to confirm +/- polarity) – my connections as shown were to a crossover. The car's black is + and yellow is -, connected to my crossover's red + and black – (always interesting not connecting black to black...)



Connect crossover wiring to the new speaker – this one has two connections for the tweeter (yellow and green) and two for the woofer (white and blue). Make sure to confirm +/- polarity.

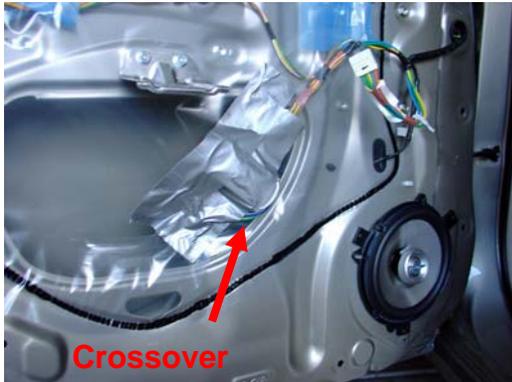


Attach the speaker to the mounting bracket using the four screws as provided. Be careful – this is the closest you will come to the delicate neoprene of the speaker cone with a sharp object !

2005 Toyota Prius – Rear Door Speaker Replacement Guide

by ~sparky~, 6.12.05

Step 5: Seal up door panel and finish



Cut a small slit to bring the crossover back thru to the front of the plastic. Tape the crossover to the plastic using duct tape. Use the same duct tape to re-seal the door.



Attach the door panel to the door – press gently at the points where the white clips fit back into the door. They should snap easily into place.



Finished product !

These speakers sound fantastic. I was very surprised by both the simplicity of the job and the difference in sound quality.

What's next? I plan to install a Kenwood KSC-SW1 mini-subwoofer (definite) and an Alpine MRP-F240 4-channel amplifier (likely) in the 'hidden' cargo compartment. The amp can push the speakers at 50W RMS x4 at 2 ohms and has a separate pre-out for the sub - perfect for my situation.

If anyone has questions, PM me on the <http://www.priuschat.com> website – my username is ~sparky~. Good luck !

