**Overview**

1. Do an inventory of the kit
2. Disconnect negative from battery
3. Disassemble interior
	1. Video - <https://youtu.be/WhyE355Amzc>
	2. Video - <https://youtu.be/KAxu0IJCOEQ>
	3. Remove door panels
	4. Remove passenger door sills
	5. Remove small rear seat
	6. Remove passenger seat
	7. Remove center console
	8. Remove dash speaker covers
	9. Tilt large rear seat forward
	10. Remove rubber mat behind rear seat
4. Remove stock equipment
	1. Remove stock amp
	2. Remove all the stock door speakers
	3. Remove dash speakers
5. Run the power cable
	1. Video - <https://youtu.be/4IPB-SsbEsE>
6. Assemble and install the ANL fuse holder
	1. Video - <https://www.youtube.com/watch?v=apkzD7y4V4g>
	2. Do not connect the power yet
7. Begin to assemble the amplifiers and the amp rack
	1. Video - <https://youtu.be/s2pO0fVQ0QI>
	2. Video - <https://youtu.be/5RnG-amV5l4>
	3. Stop before plugging in the output (black) on the amps
8. Tune the amps
	1. Video - <https://youtu.be/cSkYKWLHrws>
	2. Connect negative to battery
	3. Connect the amp power
	4. Follow the video
9. Finish assembling the amps
	1. Video - <https://youtu.be/5RnG-amV5l4>
	2. Disconnect the negative from the battery
	3. Follow the video
10. Assemble the subwoofer box
	1. Video - <https://youtu.be/MSdbHx2eaSs>
	2. Video for wiring - <https://www.youtube.com/watch?v=M9Wt4WAJUJM>
11. Install the subwoofer box
	1. Videos for placement and seat trim –
		1. <https://www.youtube.com/watch?v=p06vOMV9mJE>
		2. <https://vimeo.com/216720471>
	2. Bolt in large rear seat
	3. Route power cable to amp area
12. Install component speakers
	1. Video - <https://youtu.be/D7pGLymLBcg>
	2. Install all 4 doors
13. Install bass control knob
	1. Video - <https://youtu.be/9S58Ll1x5RU>
14. Test the system
	1. Route and connect the bass control knob to the amp
	2. Connect the negative to battery
	3. Connect the amp power
15. Final routing and concealment of wires and cables
	1. Make sure all wires and cables are secured
16. Reassemble interior
	1. Disconnect negative from battery
	2. Install center console
	3. Install from passenger seat
	4. Install rear small seat
	5. Install door panels
	6. Install door sills
	7. Install dash speaker covers
17. Test the system
	1. Connect the negative to the battery
	2. Test

**Details**

**7. Begin to assemble the amplifiers and the amp rack**

1. Install the distribution block. Single end toward rear of truck
2. Install grommets
3. Install the amps. Output side toward front of truck
4. Install the power wires from distribution block to each amp
	1. Strip ½” off the ends
	2. Insert wire so that no copper is showing
	3. Tighten bolts, wiggle wire, tighten again ¼ turn
	4. Install fuses
		1. Red 30 amp fuse for TXD3204
		2. Yellow 60 amp fuse for TXD1000
5. Install ground wires
	1. Route 2 ground wires through front grommet
	2. Strip ½” off the ends
	3. Insert wire so that no copper is showing
	4. Tighten bolts, wiggle wire, tighten again ¼ turn
6. Install distribution block cover
7. Trim carpet to accommodate amp bracket
8. Connect ground wires to truck
	1. Lift carpet up to expose ground bolt
	2. Remove ground bolt
	3. Sand paint from around ground bolt
	4. Attach amp ground leads to ground bolt and reattach ground bolt
9. Connect power wire to distribution block
	1. Run wire up through grommet near distribution block
	2. Strip ½” off end
	3. Insert wire so that no copper is showing
	4. Tighten bolt, wiggle wire, tighten again ¼ turn
10. Put all carpet back in place
11. Plug in wiring
	1. Plug in the 12 pin harness to stock plug
	2. Plug in the 10 pin harness to stock plug
	3. Plug in the subwoofer control knob
	4. Plug in blue connector with grey and white wires in the front input of TXD3204
	5. Plug in blue connector with purple and green wires in the rear input of TXD3204
	6. Plug in blue connector with purple wires in the input of TXD1000
	7. Connect blue remote wire to the sub woofer

**8. Tune the amps**

1. Make sure that all the outputs to the amps are disconnected
2. Connect negative to battery
3. Connect the amp power to battery
4. Set multi-meter to AC (V with the tilde)
5. Cap one side of pigtail
6. Connect multi-meter to pigtail
7. TXD3204 (smaller amp for front and rear)
	1. Set front sensitivity to minimum
	2. Set front LPF/HPF to full
	3. Set front frequency to minimum
	4. Set rear sensitivity to minimum
	5. Set rear LPF/HPF to full
	6. Set rear frequency to minimum
	7. Set amp to 4 channel
8. TXD1000 (larger amp for subwoofer)
	1. Connect bass control knob and set to maximum
	2. Set LPF to maximum
	3. Set boost to minimum
	4. Set subsonic to minimum
	5. Set sensitivity to minimum
9. Radio
	1. Start truck
	2. Turn on radio
	3. Set radio volume to minimum
	4. Insert test tones cd
	5. Set treble, mid, and bass to middle
	6. Set front/rear, left/right fader to center
10. TXD3204
	1. front
		1. Plug pigtail into front output
		2. Play track 1kHz – TXD3204 and set to repeat
		3. Turn radio volume to 50
		4. Turn front sensitivity up until multi-meter reads 17.5
		5. Play track 80Hz – CROSSOVER and set to repeat
		6. Go to <https://tacotunes.com/toyota-tundra-crewmax-double-cab/2014-non-jbl-toyota-tundra-system-1-installation-instructions/> and enter the value on the multi-meter into the high pass filter calculator
		7. Switch front to HPF
		8. Turn front frequency up until multi-meter reads the crossover voltage value
	2. rear
		1. Plug pigtail into rear output
		2. Play track 1kHz – TXD3204 and set to repeat
		3. Turn radio volume to 50
		4. Turn rear sensitivity up until multi-meter reads 16.5
		5. Play track 80Hz – CROSSOVER and set to repeat
		6. Go to <https://tacotunes.com/toyota-tundra-crewmax-double-cab/2014-non-jbl-toyota-tundra-system-1-installation-instructions/> and enter the value on the multi-meter into the high pass filter calculator
		7. Switch rear to HPF
		8. Turn rear frequency up until multi-meter reads the crossover voltage value
	3. Remove pigtail
11. TXD1000
	1. Connect subwoofer wire to TXD1000 output
	2. Connect multi-meter to subwoofer wire
	3. Play track 50 Hz – TXD600/1000 and set to repeat
	4. Turn radio volume up to 50
	5. Turn sensitivity up until multi-meter reads 47.5
	6. Play track 80Hz – CROSSOVER and set to repeat
	7. Go to <https://tacotunes.com/toyota-tundra-crewmax-double-cab/2014-non-jbl-toyota-tundra-system-1-installation-instructions/> and enter the value on the multi-meter into the low pass filter calculator
	8. Turn LPF down until multi-meter reads the crossover voltage value
	9. Set subsonic to 20 Hz (about 7 o’clock) - for tacotunes ported boxes

**9. Finish assembling the amps**

1. Plug in wiring
	1. Plug in black connector with grey and white wires in the front output of TXD3204
	2. Plug in black connector with purple and green wires in the rear output of TXD3204
	3. Connect 12 gauge subwoofer wire to TXD1000
2. Route and conceal wires
3. Route the subwoofer wire to rear of cab following door sill
4. Bolt down the amp rack using stock bolts

**10. Assemble the subwoofer box**

1. Prep box
	1. Install poly fill through the speaker holes
		1. Spread it evenly through the box
	2. Install terminal cup on back of box
		1. Install speaker wire on terminal cup using the terminal rings
		2. Feed wire into box
		3. Screw terminal cup into the box
	3. Turn box over so speaker holes are face up
	4. Pull wire from terminal cup up through speaker hole
	5. Strip about ½” from terminal cup wire
	6. Feed length of wire from one speaker hole to the other leaving 12-18” sticking out on each side
	7. Strip about ½” from each side of long wire
	8. Prep 2 sets of 10-12” jumper wires. Pull apart so there are 4 wires, 2 positive and 2 negative.
2. Install speakers
	1. Install the 4 foam seals on both speakers
	2. Connect speakers in parallel. Each voice coil is a “light”. Use jumper wires to bridge voice coils on the same subwoofer. Ensure that positive always connects to positive and negative always connects to negative.
		1. 
	3. Place speakers into holes
	4. Screw in each speaker being careful not to damage the speakers

**11. Install the subwoofer box**

1. Remove rubber strap that holds jack tools
2. Hammer down tool strap bracket
3. Place the box into the rear of the truck
4. Run the speaker wire along the door sill and plug into sub box
5. Adjust the position of the box
	1. cutout in the front of the box aligns with the bracket on the large seat
	2. cutout in rear of box aligns with bracket
6. Trim plastic on both rear seats
7. Move the large rear seat into its correct position and screw in bolts finger tight
8. Ensure that nothing is touching the speakers
9. Place small rear seat into position.

**12. Install component speakers**

1. Assemble the crossover
	1. Attach to mount with 2 screws
	2. Attach cover
2. Install crossover on truck
	1. Remove the door pull (2 screws)
	2. Install the crossover with the door pull (2 screws)
3. Attach the new wire harness to the stock wire harness
4. Connect the new wire harness to the input (IN) of the crossover
5. Connect the 16 gauge wire to the mid (W) of the crossover
6. Connect the 18 gauge wire to the tweeter (T) of the crossover
7. Feed the 16 gauge wire to the mid speaker following the existing wire harnesses
	1. Feed the wire through the grommet into the door
8. Feed the 18 gauge wire up to the tweeter location following the existing wire harness
9. Zip tie the wires to the existing harnesses
10. Zip tie wire in door out of the way of the window
11. Crimp on speaker terminals to mid wire
12. Attach tweeter wire to tweeter
	1. Gold is positive
	2. Silver is negative
13. Attach mid to speaker adapter
	1. Predrill holes on the adapter about ½”
	2. Screw speaker to adapter
14. Attach 16 gauge wire to speaker
15. Attach speaker to door with bolts from kit
16. Tweeter installation
	1. Front
		1. Press into drilled sail panels
	2. Rear
		1. Remove stock tweeter
		2. Zip tie new tweeter into door panel using the stock clip holes.

**13. Install bass control knob**

1. Turn over center console.
2. From the back of the console, mark where the knob will go through
3. Using a 5/16” drill bit, drill a hole
4. Pull knob off and test fit in hole
5. Drill holes in the plastic tabs/bracing around the cup holders
6. Feed zip ties through the holes and around the cup holders to make a zip tie loop. Pull tight and trim ends
7. Push knob back on control box and push through back side
8. Zip tie the lower part of the screw mount to the zip tie loop (for both screw mounts). Do not tighten yet
9. Zip tie the upper part of the screw mount over the cup colder to the back side of the zip tie loop (for both screw mounts). Do not tighten yet
10. Slowly tighten each of the 4 zip ties connecting the control to the zip tie loop
	1. Be sure to keep the control flat against the plastic so that the knob stays perpendicular
	2. Tighten each connection all the way down to ensure that the control is tight
11. Trim zip tie ends