

here are the instructions for installing a flyaudio unit in a 2008 is 250 with factory navigation ,please follow steps below  
 disclaimer: I AM IN NO WAY RESPONSIBLE FOR ANY DAMAGE TO YOUR CAR OR THE FLYAUDIO UNIT! DO THIS MOD AT YOUR OWN RISK!  
 1.get a plug from the dealership.



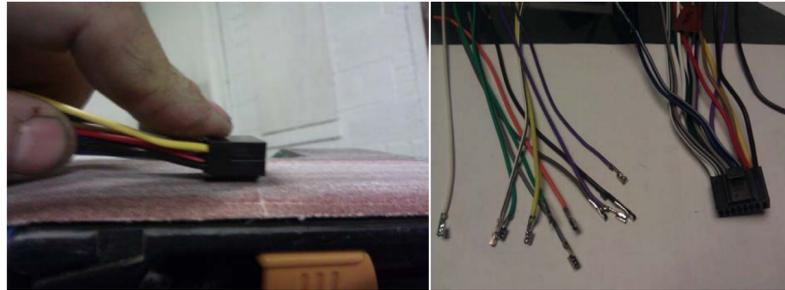
2.find you j53 plug located to the right side of the factory unit when you remove it, it will be clipped on the metal bracket.



3. we are now going to take most of the wires from the factory j53 plug(male side) and tap onto them as per below starting from top left to right working down to bottom left to right.



what I did instead of taking out the wires and moving them was to get any stereo plug and place it on a belt sander to get the pins out , like this be careful not to go too far when done correctly you will be able to lift wires out very easily.

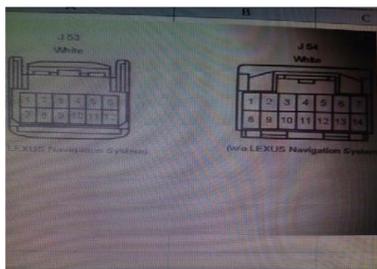


step 4. now we will lift the door cover on the new j54 plug, and insert the wires we removed from the stereo plug(does not matter where you put them in) we will go over where they connect to in the next steps.

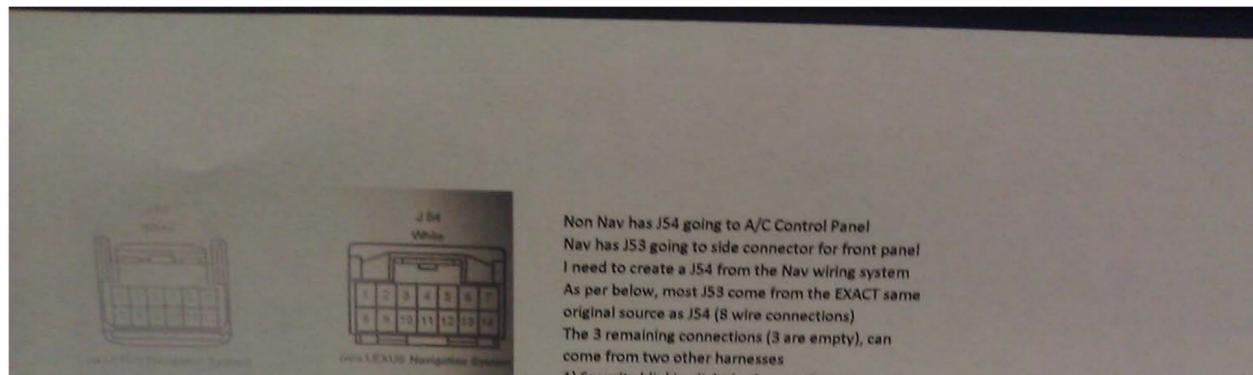


this will take some know how to make sure the pins are fitted in correctly. when finished place the door cover back over the plug to lock in all the wires.

step 5  
 now we will tap onto the wires ar from j53 plug and match them up to the j54 plug we purchased from the dealer by using this chart ( we will get to the orange and light blue and the light green wires later in the next step)



this shows the front side of the plug not the back where the wires come out!  
 notice the pin #'s top left 1-6 going right



bottom left 7-12 (j53 plug)

1-7 top left going right  
8-14 bottom left to right(j54 plug)

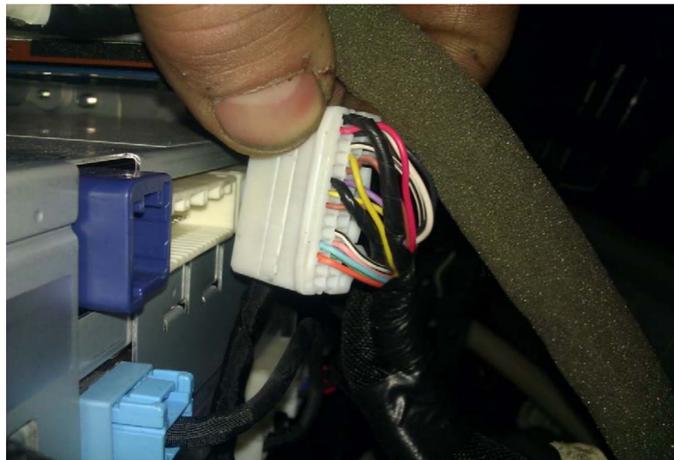
we will get to the highlighted wires in the next step!

1) security blinking light both come from the same source but two different connectors (J50 & J54)  
2) Data transfer connections (from Gateway ECU) come from the same source but two different connectors (J51 & J54)

			To Harness			
			From Harness	w/Nav	No Nav	
Data/AC?	Red	TX-	J65-10	J51-17	J54-1	Need to replace with orange from Gateway
Data/AC?	Brown	TX+	J65-9	J51-18	J54-2	Need to replace with Light Blue from Gateway
Illumination	Green	ILL+	J27-66	J53-4	J54-3	
Clock	Black	IG+	J27-64	J53-11	J54-4	
Clock	Orange	ACC+	J27-61	J53-5	J54-5	
EMPTY	Gray		N/A	N/A	J54-6	
EMPTY	Violet		N/A	N/A	J54-7	
Ground	Black/White	Ground	Car Ground	J53-2	J54-8	
Theft Deterrent	Light Green (Thin)	Security lamp	J74-24	J50-19	J54-9	Need to replace with thin light green from J74 direct to J54-9
Illumination	White	ILL-	J27-69	J53-10	J54-10	
EMPTY			N/A	N/A	J54-11	
Turn Signal	Light Blue	Hazard	J30-8	J53-12	J54-12	
SRS	Pink	PBEW	J35-3	J53-8	J54-13	
Clock	Light Green (Thick)	Battery	J27-63	J53-6	J54-14	

step 6.

here are the 2 of 3 highlighted wires locations on the factory nav unit that will go into the new j54 plug You will find the orange and light blue on the j51 harness in your car,



you can just cut them away from the connector and place into the new j54 plug(as shown in chart) leave enough wire in case you have to put the wires back later in the future.

here is the final wire you need from the j50 connector . The light green(theft deterrent) do the same as the orange and light blue , leaving enough wire to connect it back later if needed.



the thin light green wire on the far right is the theft deterrent wire place it in the proper location on the new j54 plug.

if the airbag light comes on DON'T PANIC AND RUSH TO THE DEALER! If have read that some people had issues with the airbag light and there was a fix to it, but that's for cars with non navi system so if you experience this just get a 10k ohm resistor with a diode and connect it to the pink wire on the j53 pink wire(srs) and tap to ignition or accessory. DO NOT DO THIS IF YOU DO NOT KNOW HOW TO PROPERLY WIRE THE RESISTOR AND DIODE!!!!

now just plug it all in to the flyaudio unit and hopefully it works for you. don't forget to put some tape around the old j53 connector!!!!