

Emergency Brake and Vehicle Speed Sensor Override for 2008 EX35 (Part 2)

Hope this is useful to you and above all remember: **THIS IS ONLY FOR EDUCATIONAL PURPOSES AND YOU ARE HEREBY ADVISED NOT TO DO ANYTHING AS A RESULT OF THE INFORMATION CONTAINED HEREIN, SINCE THERE IS NO WARRANTY OF CORRECTNESS OR COMPLETENESS EITHER EXPRESSED OR IMPLIED ... ANYTHING YOU DO** (whether because of this information or NOT), **IS COMPLETELY AT YOUR OWN RISK!!!!**

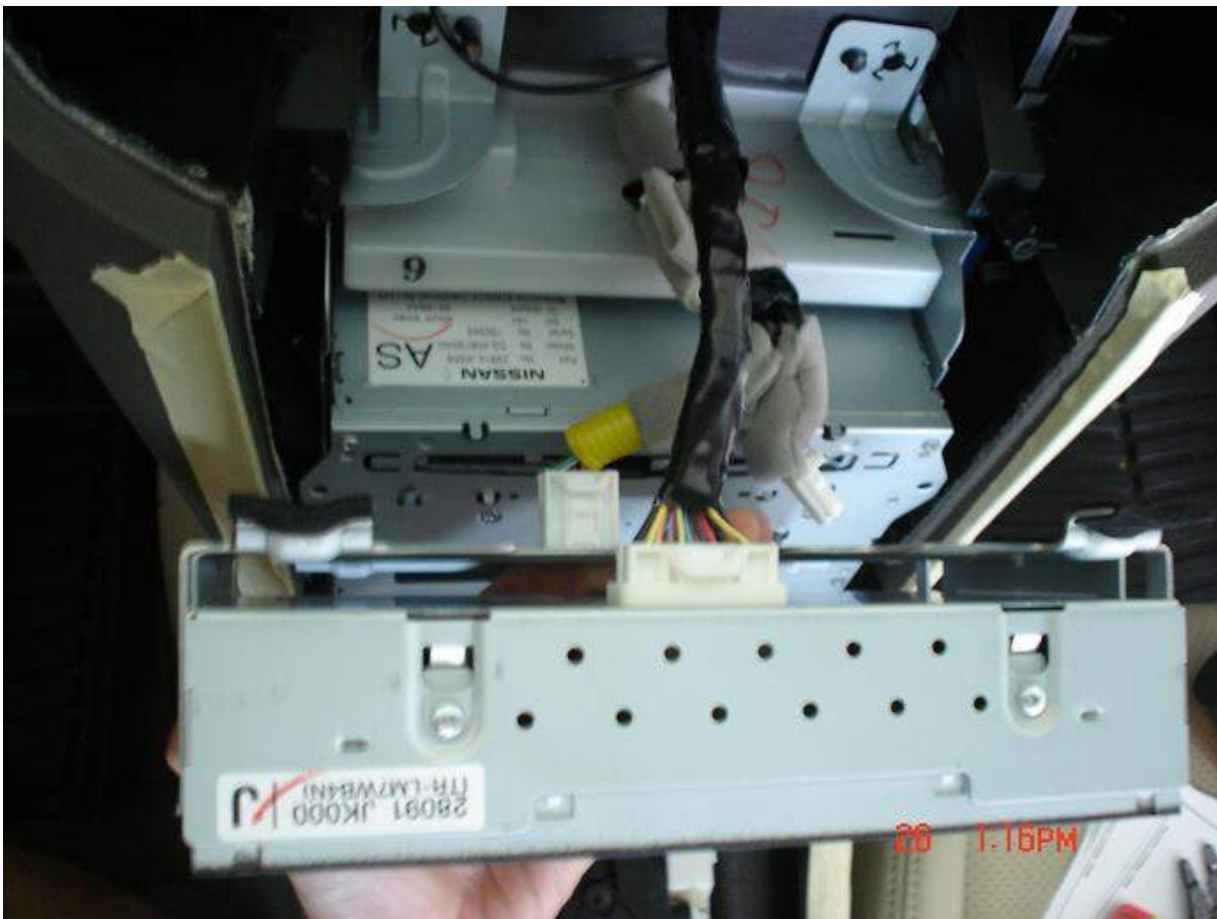
Sorry ... just *had* to do that. ;o)

(Continued from Part 1)

Next locate these 2 bolts and unscrew them.



Now with both hands slowly pull the monitor out and unclip the plug in the back.



This is a view of the car with everything off except for the radio/cd unit still attached.



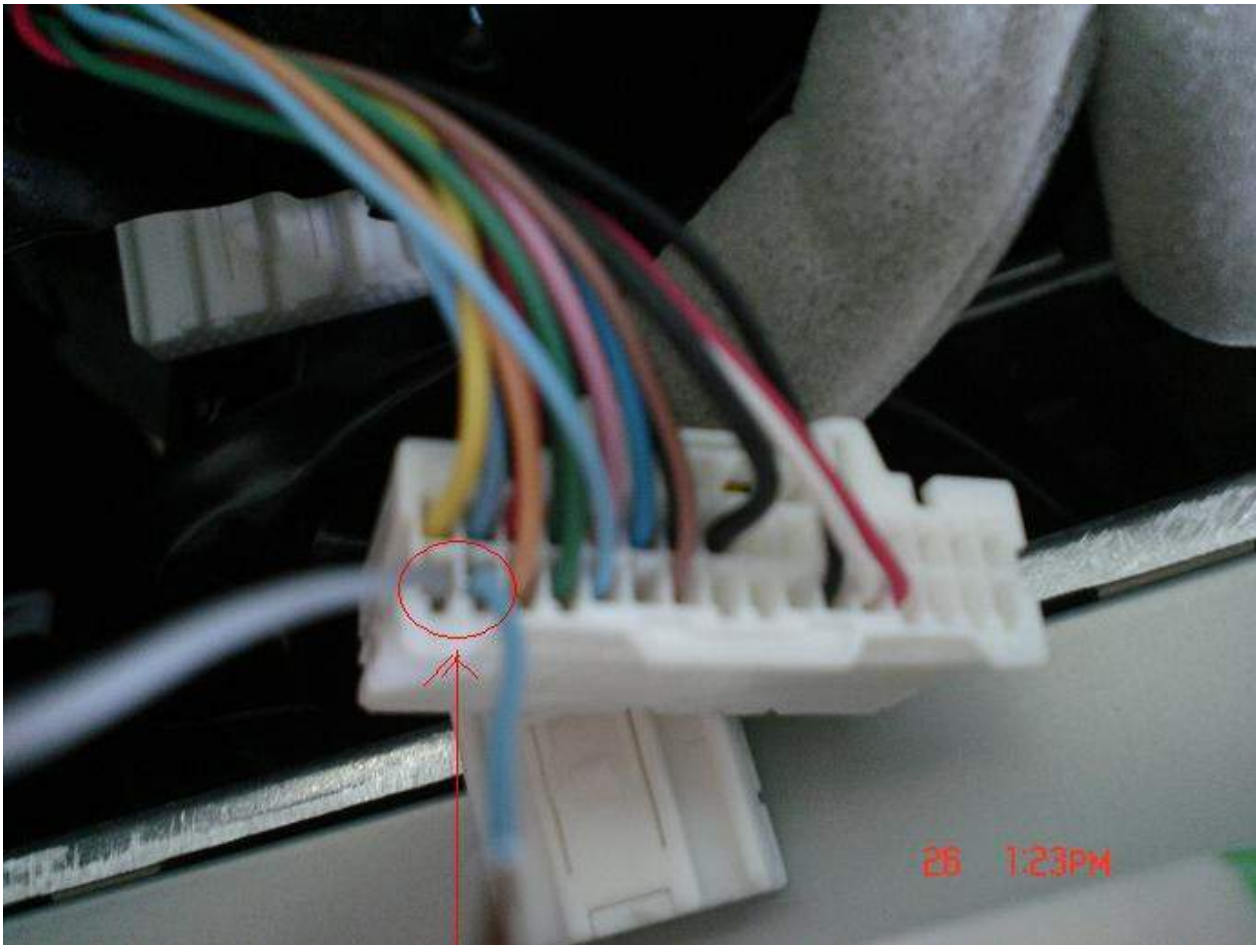
Next, take off the radio/cd unit by locating these 2 bolts and removing them.



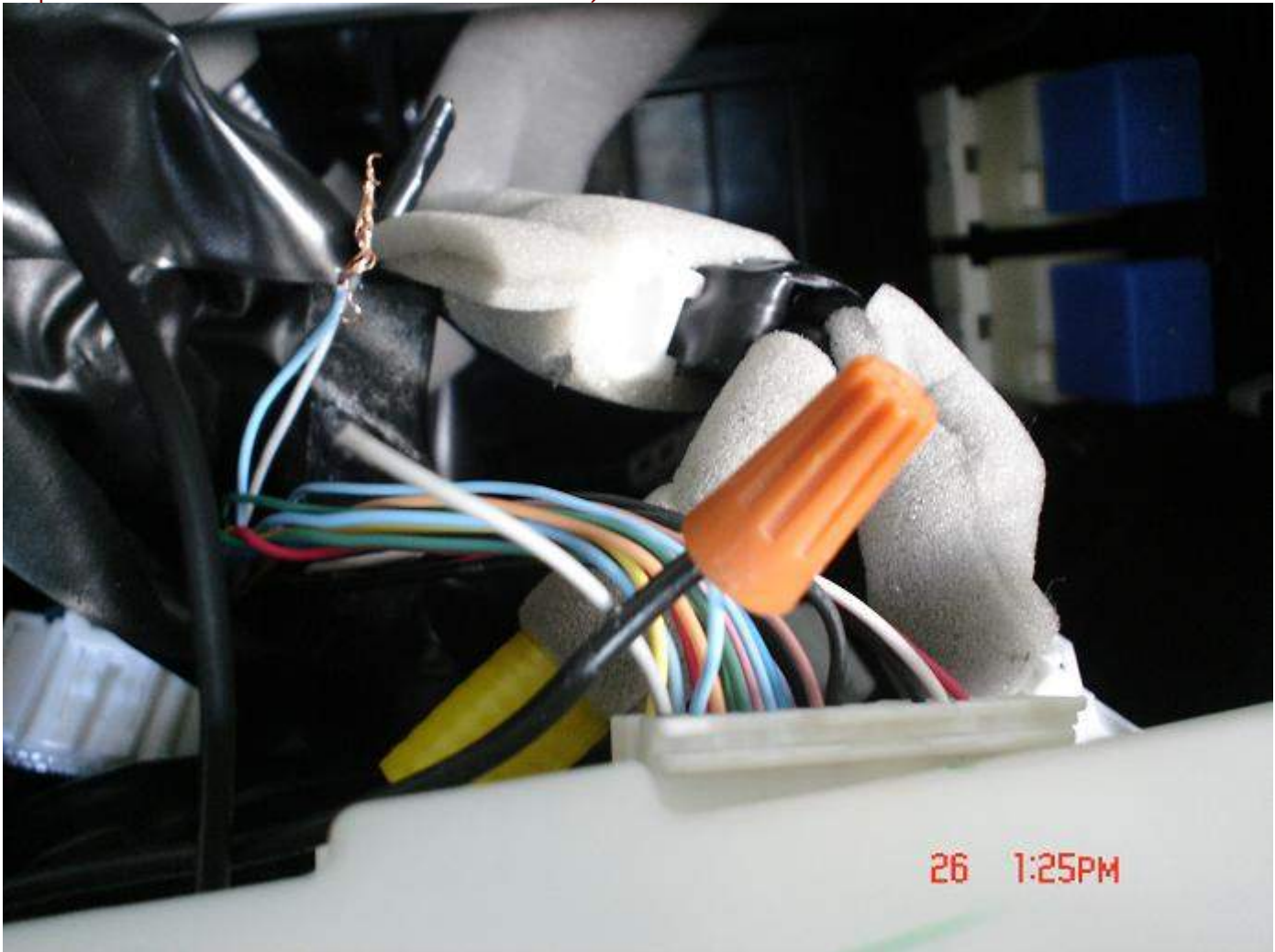
Now look at the back of the unit and you'll see all these plugs. You want to unplug the one circled in red. (Ed.: Remember, this is for non-Nav vehicles. For those with Nav, look for a larger 40-pin (2 x 20) connector ... more to come.)



This is a view of the plug showing the multi-colored wiring harness. If yours matches mine then cut the 2 wires I circled in red. One is light blue (PKB - parking brake) and the other is light gray (VSS - Vehicle Speed Signal). (Ed.: Again, for non-Nav **ONLY**)



Now connect a new piece of grounding wire to the light blue wire coming out of the plug. The idea is to provide a ground signal on this pin, back to the unit so that it will "think" the e-brake is ON. Remember to insulate any exposed wiring (e.g. with electrical tape). (*Ed.*: It seems that the originator of this mod simply cut the gray VSS wire. However, based on the documentation I've seen, I would at least also ground the VSS pin feeding the plug, rather than let it *float*. A better option (though more work), is to put it on a 2-pole switch so you can either have it go to ground or feed the original signal properly, under your control. This option is discussed in the Armada/QX56 NICO forum here: <http://forums.nicoclub.com/zerthread/301458>)



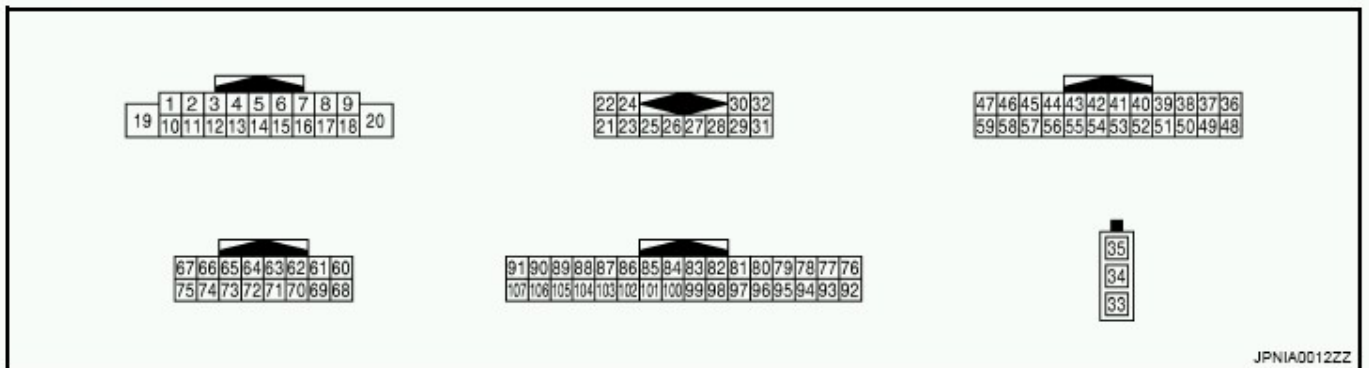
Added by Ed.:

This information for Non-Nav vehicles matches the following two graphics excerpted from the EX35 manual (n.b. the connector plug and the pin numbers and positions within the connector do match the photographs, but the documented wire colors do NOT).

106 (V)	Ground	Parking brake signal	Input	Ignition switch ON	Parking brake ON	0 V
					Parking brake OFF	<p style="text-align: right; font-size: small;">JSNIA0007GB</p>
107 (R)	Ground	Vehicle speed signal (8-pulse)	Input	Ignition switch ON	When vehicle speed is approx. 40 km/h (25MPH)	<p>NOTE: Maximum voltage may be 12 V due to specifications (connected units).</p> <p style="text-align: right; font-size: small;">SKIA6549J</p>

Notice that the documented "Terminal Layout" is oriented as if you are looking at the back of the unit, with the plug end pointed away from you and the wires coming out towards you (as in the 3rd picture preceding the graphic above).

TERMINAL LAYOUT



End of Part 2 ... to be Continued in Part 3.