

Programming your Nissan Quest TPMS

After buying winter tires + rims with TPMS (Tire Pressure Monitoring System) sensors I quickly learned 4 things:

- 1) The van does not automatically recognize/learn these new sensors
- 2) The dealership wants between \$50-\$90 to reset the TPMS computer to "see" these new sensors
- 3) This was going to be an ongoing cost as you have to re-teach the van every time you switch wheels (so in most cases, this is twice a year)
- 4) It's actually very easy to do it yourself (even if the dealer implies it's not)

So to make it as easy as possible, I documented the procedure step-by-step in the hope this helps many of you avoid the unnecessary expense and hassle of resetting your TPMS every time you change your winter/summer wheels over.

Tools Needed

1 X 4" long piece of wire (I just used a chunk of regular lamp cord)



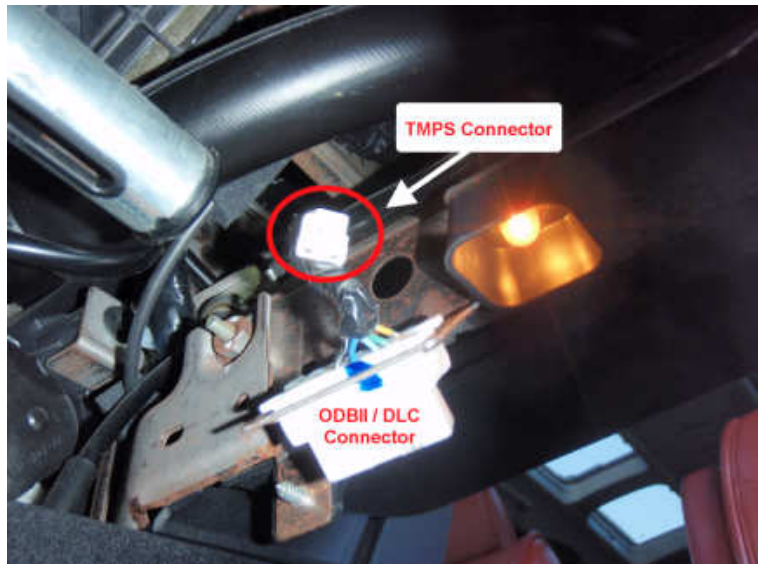
1 X TPMS sensor triggering tool (I bought the ATEQ VT10 for \$105 + S&H)



BTW, you can do this without the fancy TPMS Trigger Tool but I think its too much hassle. If your interested though, I posted those instructions at the bottom...

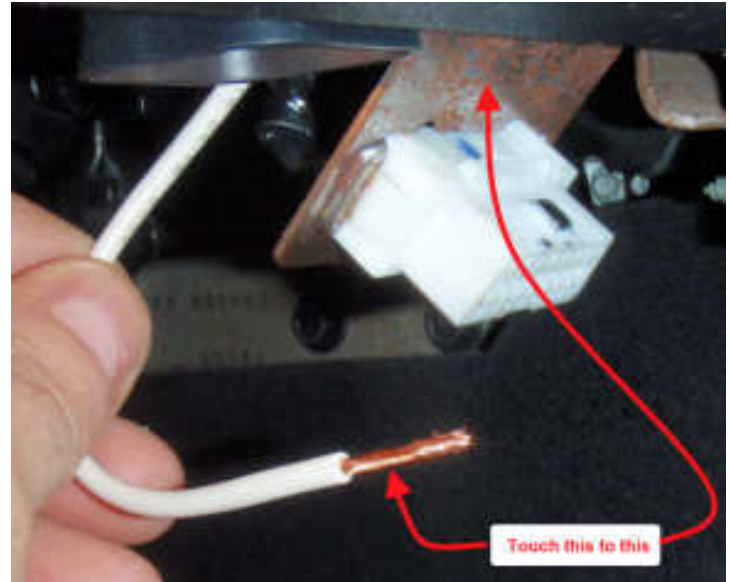
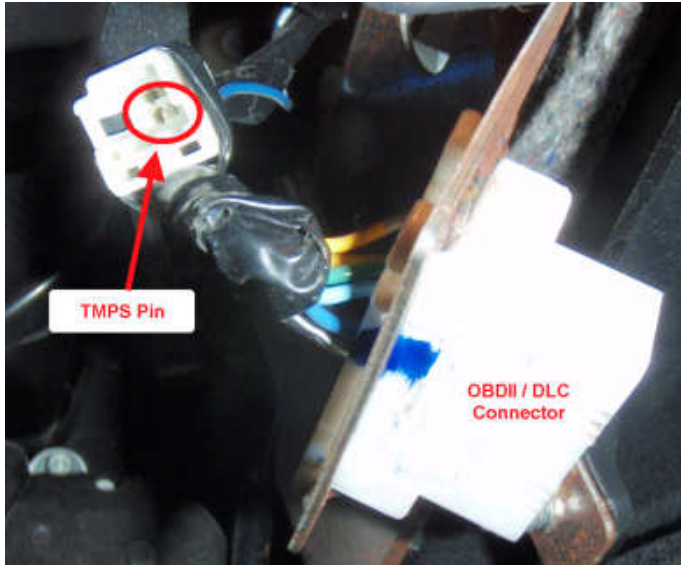
Step 1

Locate the DLC (Data Link Connector) for the OBDII port (see photo #1). It's the rectangular white connector just under the storage shelf directly above the gas pedal. Taped to it is a single square white TPMS connector, which is what your going to use to reset the TPMS system. You may find it easier to access this connector if you pop out the DLC connector. To do this, simply press firmly on both sides and push up; it should easily slide up and out.



Step 2

Turn the key to the "On" position but do not start the van. All the dash warning lights should turn on and then go off. Once that happens, take your 4" long wire and insert and hold one end in the TPMS connector (making sure you touch the TPMS pin) and touch the other end to the DLC metal bracket on/off 5-6 times within a 10 second time period (you might hear a faint click every time you touch the bracket -- this is normal).



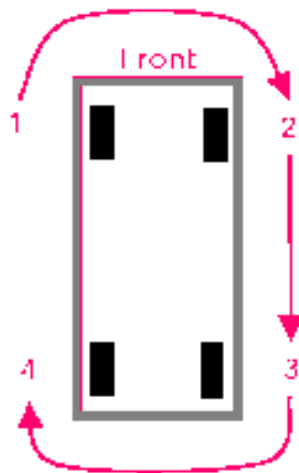
If all goes well, the TPMS Warning Light on the dashboard should now be flashing indicating that you are now in the TPMS "learning mode".



Note: I'd skip buying any of the various tools sold to activate this learning mode as the wire trick is dead simple and you only need it for 10 seconds (you remove it once the TPMS light is flashing)

Step 3

Now take your TPMS Trigger Tool and starting at the driver front, hold the antenna up besides the valve stem and press the Schrader TPMS sensor activation button (it's the left button on the VT10). Hold the button down until the yellow light starts to flash (the lights on the van should also flash once to acknowledge its read the code as well).



Then repeat this procedure for the Passenger Front, Passenger Rear and lastly Driver Rear (in this order). Should take no more than 1 minute to do all 4 tires.

Step 4

Confirm that the TPMS Warning Light has stopped flashing. You should now scroll to the Tire Pressure screen and make sure that the tire readings are working (no more **** stars). If this is the case, congratulations, you've just finished programming the new TPMS sensors and you're good until the next tire change over.

Alternative Method: Programming the TPMS without using a Trigger Tool

I personally find this to be a too cumbersome (and unworkable if you have nitrogen in your tires) but it is a adequate (and free) solution. The procedure is the same except that you need to adjust the pressure in each tire to the specific pressures listed below. The TPMS computer figures out the wheels actual location based upon the psi so you need to be almost spot on:

Drivers Side Front to 34psi	Passenger Side Front to 31psi
Drivers Side Back to 28 psi	Passenger Side Back to 26psi

Then you put the van into it's TPMS learning mode (Step 2) and drive around for a while (10-20 minutes) at speeds over 30MPH until the TPMS sensor stops blinking. Note, you may also have the warning light come on a short time later as 1 of the tires is under the 28psi warning threshold; this will go away once you refill the tires. Then put all the tires back to their recommended pressures.