After putting on a lift (body or springs) allot of 4Runner owners notice the VSC will cut power when not needed causing safety issues or just pure annoyance. The solution to this is to recalibrate the yaw rate sensor on the VSC system.

Recalibration is simple to perform and all you need is a level surface and a 4 inch long wire stripped at both ends.

To reset the VSC have the vehicle parked on a level surface both front and back and side to side (this is very important).

After that roll the window and turn on the ignition but don't start the engine. With the ignition on open the diagnostic port on the driver side of the engine.

Now take the piece of wire and short the two pins (E1 and TS) 4 time or more with in a 8 second period. After doing this quickly look in the window to see if the VSC light came on again, it should be on for several seconds and then go out. (Note don't have someone sitting in the vehicle looking for the light it will make the vehicle unlevel).
After this REACH IN THE WINDOW and turn off the ignition. Then wait a few seconds and REACH IN THE WINDOW again and turn on the ignition and wait for the VSC TRAC light to go out.

After this the VSC yaw sensor has been recalibrated and the issues of the VSC system de-throttling when unnecessary should be eliminated.

NOTE even if you don't have a lift on your 4runner this should be done time to time to compensate for spring sag which also brings the VSC system out of calibration.

Also you can do a test of the VSC system put shorting the above pins and turning on the ignition. The VSC TRAC light will come on then start to flash rapidly at .013 sec intervals. This flashing means the VSC system is working properly and has no error codes stored.

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