

## BMW P1629: THROTTLE VALVE ADAPTATION SPRING TEST STOP, SPRING DOES NOT OPEN (BANK 1)

### OVERVIEW

|                      |   |                       |
|----------------------|---|-----------------------|
| Severity             | : | High                  |
| DIY Difficulty Level | : | Advanced              |
| Repair Cost          | : | \$600-\$850           |
| Can I Still Drive?   | : | Yes (Short-term only) |

### What Does The BMW P1629 Code Mean?

During the spring test the diagnostic function monitors the throttle valve to determine whether it returns to the emergency-air position within the specified period when no voltage is being applied.

The fault is recognized when the throttle valve does not return to an aperture of more than 7.4% within 560 ms when voltage is not being applied to the unit.

### What Are The Potential Causes Of The BMW P1629 Code?

Below are some potential causes of this DTC:

- Plate is sticking
- Defective return spring
- DVE electrical activation defective.
- DVE motor wiring may have shorted
- Throttle valve is contaminated with foreign objects

## Reference Sources

[ENGINE PERFORMANCE Self Diagnosis for P1629](#) - 2011 BMW 535xi, pages 142-144.