

## AUDI P1531: CAMSHAFT CONTROL CIRCUIT OPEN

### OVERVIEW

Severity	:	<div><div>High</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$200-\$400
Can I Still Drive?	:	No

### What Does The Audi P1531 Code Mean?

This code indicates the condition that engine started and driven at an engine speed of more than 400rpm; and the ECM detected the camshaft timing exceeded the calibrated levels. The valve timing did not change from the current valve timing or it remained fixed during the testing.

**Note:** The camshaft adjustment is load- and RPM dependant. The electrical camshaft adjustment valve 1 switches oil pressure onto camshaft adjuster (mechanical adjustment mechanism), which adjusts the camshaft.

### What Are The Potential Causes Of The Audi P1531 Code?

Below are some potential causes of this DTC:

- Fuel pump has failed
- CPS circuit is open, shorted to ground or shorted to power
- ECM has failed
- Battery voltage below 11.5 volts
- Position actuator circuit may short to B+ or Ground
- Camshaft timing improperly set, or continuous oil flow to the VCT piston chamber
- Camshaft advance mechanism (the VCT unit) is sticking or binding mechanically
- VCT solenoid valve is stuck in open position

## Reference Sources

[Audi P1531](#), DTCDECODE.