

## AUDI P1143: LOAD CALCULATION CROSS CHECK UPPER LIMIT

### OVERVIEW

Severity	:	<div><div>High</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$100-\$1000
Can I Still Drive?	:	No

### What Does The Audi P1143 Code Mean?

Engine started, battery voltage must be at least 11.5v, all electrical components must be off, the ground between the engine and the chassis must be well connected, the exhaust system must be properly sealed between the catalytic converter and the cylinder head, and the oxygen sensor heater for oxygen sensor before the catalytic converter must be properly functioning.

#### Note:

- Vacuum in the intake system sucks in the leak detection spray with false air. Leak detection spray decreases ignition quality of the fuel mixture. This causes a drop in engine speed and changes the value produced by the Heated Oxygen Sensor.
- Both Throttle Position (TP) sensor and Sender 2 for accelerator pedal position are located at the accelerator pedal and communicate the driver's intentions to the ECM completely independently of each other. Both sensors are stored in one housing.

### What Are The Potential Causes Of The Audi P1143 Code?

Below are some potential causes of this DTC:

- Intake Manifold Runner Position Sensor is faulty
- Intake system for leaks (false air) is faulty

- Motor for intake flap is faulty
- Mass Air Flow (MAF) sensor is faulty
- Throttle Position (TP) sensor is faulty
- Throttle valve control module is faulty
- Intake system is leaking
- Signal is grounding
- ECM has failed

## Reference Sources

[Audi P1143](#), DTCDECODE.