

PRODEMAND

YMMS: 2006 MINI Cooper S
Engine: 1.6L Eng
VIN: WMWRE33596TN27136

Apr 28, 2024
License:
Odometer:

P1237, Replaced Manifold Absolute Pressure Sensor

Fixed It! 5

Complaint

The customer states the check engine light is on.

Cause

Connected a scan tool and found code P1237 - Secondary Upstream Manifold Air Pressure Sensor Low Input. At idle, monitored live scan tool data and observed the manifold absolute pressure sensor parameter was not present. Inspected the manifold absolute pressure sensor wiring harness and connector, but detected no obvious faults. With the ignition on and the engine off, used a multi-meter to check for the presence of voltage and ground at the manifold absolute pressure sensor connector and found both were present. Backprobed the manifold absolute pressure sensor and performed a road test while monitoring the sensor signal on a lab scope. The manifold absolute pressure sensor signal observed on the lab scope was erratic. These test results verified the manifold absolute pressure sensor was faulty.

Correction

Replaced the manifold absolute pressure sensor, cleared codes, performed a road test and verified the vehicle operated properly. The check engine light did not illuminate and no fault codes returned.