

[Print](#)[Exit](#)**6AR-FSE ENGINE CONTROL SFI SYSTEM DETAILS VACUUM SENSOR****CONSTRUCTION**

- a. The manifold absolute pressure sensor detects pressure inside the intake manifold as an absolute pressure with a built-in sensor and outputs a voltage. Based on the voltage from the manifold absolute pressure sensor, the ECM controls the air fuel ratio and EGR.
- b. The manifold absolute pressure sensor consists of a silicon chip which utilizes the characteristics of a silicon chip that changes its electrical resistance when pressure is applied to it. The sensor converts the pressure into an electrical signal, and sends it to the ECM in an amplified form.

