

[Print](#)[Exit](#)**6AR-FSE ENGINE CONTROL SFI SYSTEM DETAILS FUEL PUMP CONTROL****OPERATION**

- a. The ECM transmits a fuel pump operation request signal to the fuel pump control ECU assembly that corresponds to the engine operating conditions. Based on the signal received from the ECM, the fuel pump control ECU assembly controls the power supplied to the fuel pump in 3 levels (low, mid and high). Battery voltage is directly supplied to the fuel pump for the high level. However, the mid and low levels, Pulse Width Modulation (PWM) control is used to control the power supplied. This contributes to fuel economy by reducing current consumption compared to conventional control, which operates by switching a resistor in and out of the circuit.
- b. The fuel pump control system has a fuel cut control function. Fuel cut control stops the fuel pump when any of the SRS airbags has deployed.

