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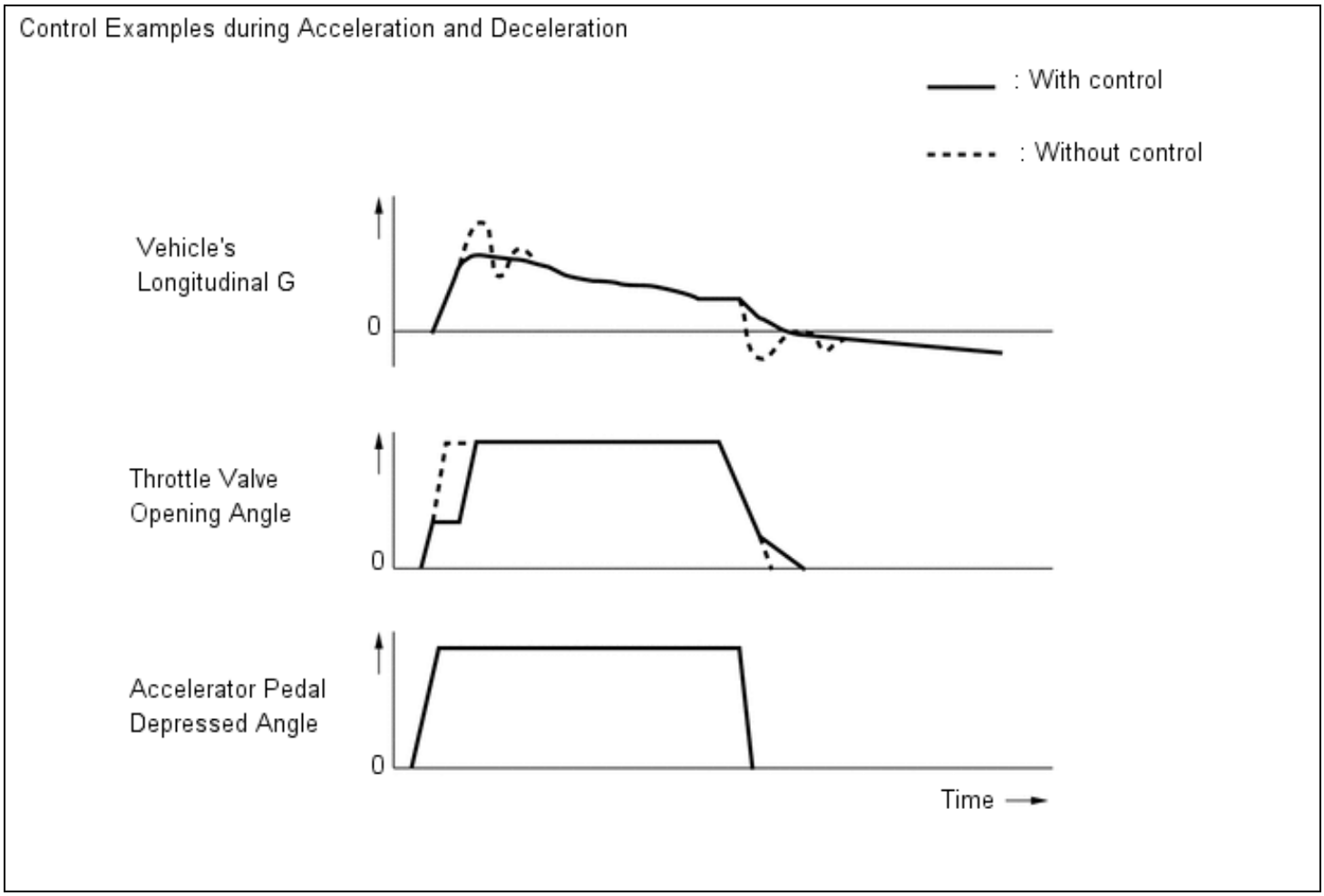
| **Title:** 2AR-FE ENGINE CONTROL: SFI SYSTEM: ELECTRONIC THROTTLE CONTROL SYSTEM-intelligent (ETCS-i) CONTROL; 2013 MY RAV4 [12/2012 - ] | | |

# ELECTRONIC THROTTLE CONTROL SYSTEM-intelligent (ETCS-i) CONTROL

**1. OPERATION**

(a) The ECM drives the throttle control motor by determining the target throttle valve opening in accordance with the respective operating condition.

(b) The ECM controls the throttle to an optimal throttle valve opening that is appropriate for driving conditions such as the amount of the accelerator pedal effort and the engine speed in order to achieve excellent throttle control and comfort in all operating ranges.




(c) The ECM controls the throttle valve in order to constantly maintain an ideal idle speed.

(d) As part of the TRAC system, the throttle valve is closed by a request signal from the skid control ECU if an excessive amount of slippage is created at a driving wheel, thus facilitating the vehicle in ensuring stability and driving force.

(e) In order to bring the effectiveness of the VSC system control into full play, the throttle valve opening angle is controlled by effecting a coordination control with the skid control ECU.

(f) The integrated cruise control ECU of the ECM directly actuates the throttle valve for operation of the cruise

control.