

# FULLY-CLOSED THROTTLE LEARNING FUNCTION OPERATION [ZJ, Z6]

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B3E014000140T12

## Fully-closed throttle learning value (fully-closed throttle voltage value) update

- If the calculated average value for the fully-closed throttle falls below the current fully-closed throttle learning value, the PCM updates the calculated average value as a new value.
- When the throttle valve is considered to be fully-closed, the average fully-closed throttle value when all of the following conditions are met is calculated by averaging several sample values that are detected.
  - No load with vehicle stopped (ATX: P or N range, MTX: neutral)
  - If throttle valve opening angle has not changed
  - Other than when in test mode
  - Engine speed is less than 3,000 rpm.

## Inhibition conditions of fully-closed throttle learning

- If any of the following conditions are met, the PCM determines that there is a fully-closed throttle learning difficulty and substitutes a set value (fixed value) for the fully-closed throttle learning value.
  - During test mode
  - TP sensor damage (DTCs P0122, P0123 detected)
  - Battery terminals reconnected
  - If fully-closed throttle learning value exceeds the set upper limit value.
  - If fully-closed learning value decreases below set lower limit value.