

HEATED OXYGEN SENSOR (HO2S) HEATER CONTROL OPERATION [ZJ, Z6]

B3E014000140T39

Front HO2S

Operation condition

- The PCM operates the front HO2S heater according to engine operation conditions as shown in the table below.

Drive duty ratio	Engine operation conditions
30 %	<ul style="list-style-type: none"> • At engine start • During engine rotation except idling • Engine coolant temperature is 5°C {41°F} or less. • When a DTC indicating a damaged ECT sensor, TP sensor or IAT sensor is detected.
100 %	<ul style="list-style-type: none"> • For a fixed period of time after engine start when the engine coolant temperature at engine start is 50°C {122°F} or less than the engine coolant temperature when the engine is stopped from a previous operation (differs from engine coolant temperature at engine start [lower water temperature→longer time]).

Inhibition conditions

- During torque reduction execution
- Engine speed 4,300 rpm or more
- During high load
- Engine stopped

Rear HO2S

Operation condition

- When all of the following conditions are met:
 - After fixed period of time from engine start
 - Engine speed is less than 2,700 rpm
 - Throttle valve opening angle is less than 10%
 - Intake air amount exceeds the specified value
 - Except during TCS control