

## SCR CONTROL [SKYACTIV-D 2.2]

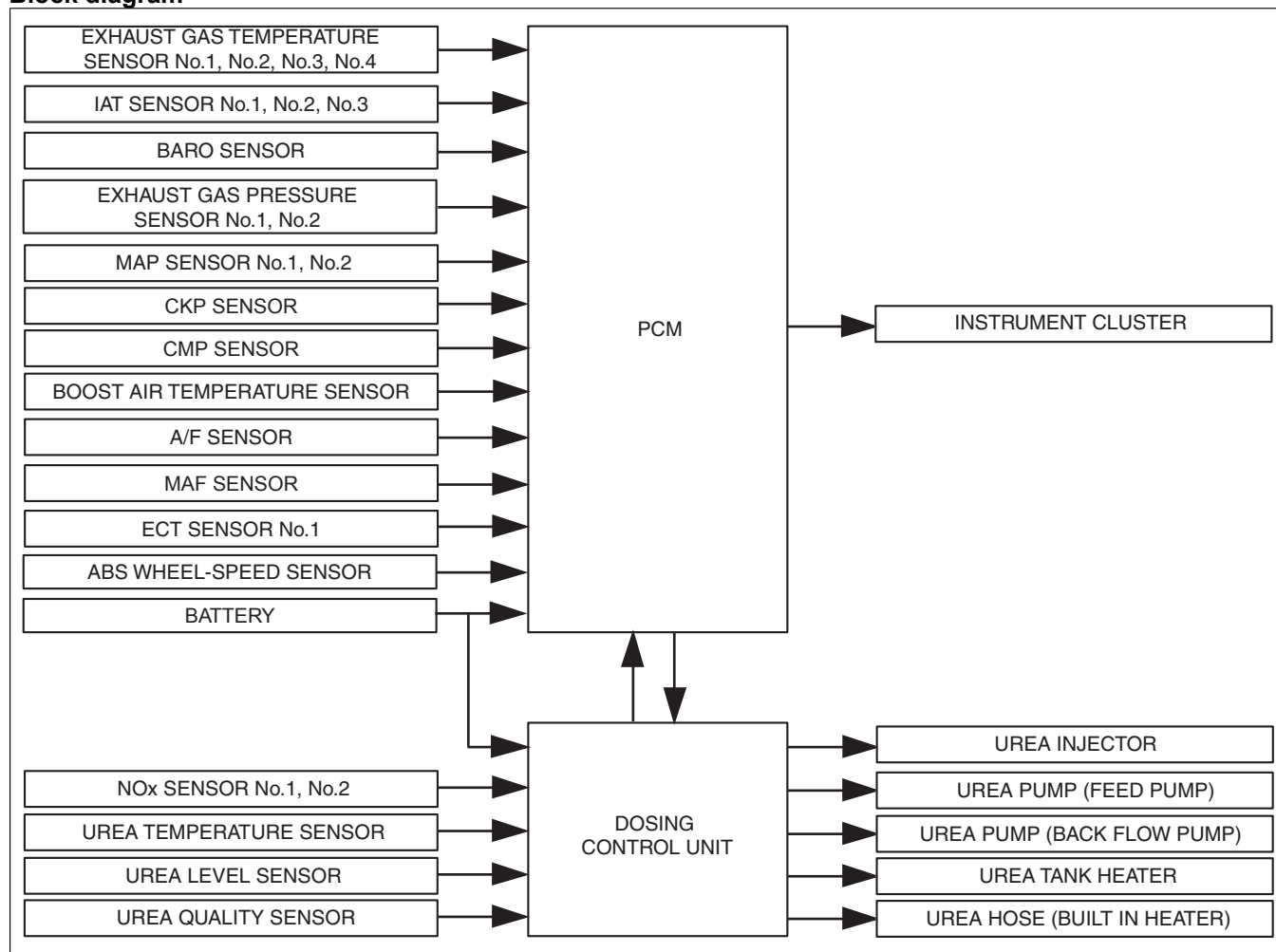
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### With SCR system

#### Purpose, Function

- The dosing control unit injects AdBlue® to the exhaust pipe to purify NOx in the exhaust gas.
- The dosing control unit performs coordinated control with the PCM to inject the appropriate AdBlue® amount.
- AdBlue® is warmed by the heater in the urea tank to defrost it and prevent it from freezing.
- The PCM alerts the driver of the warning via the instrument cluster if there is low or excess AdBlue® or fluid other than normal AdBlue® is in the tank, or the SCR system is not operating properly.

#### Block diagram



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#### Operation

- When the SCR catalyst temperature exceeds 165 °C {329 °F} and the NOx sensor detects NOx, the AdBlue® injection function operates according to the purification rate in the catalyst.
- When the AdBlue® temperature is -3 °C {27 °F} or less or the ambient temperature is -3 °C {27 °F} or less, the heater function operates.
- The warning function operates if there is low or excess AdBlue® or fluid other than normal AdBlue® is in the tank, or there is a malfunction in the SCR system.