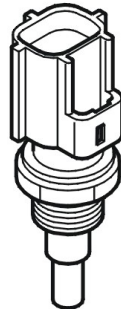


284: ECM-P011600 Coolant temperature circuit within/outside the range.
General fault information. No information about fault type, B8444S
XC90 (-16), 2005, B8444S, TF-80SC AWD, L.H.D
27/6/2026



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284: ECM-P011600 Coolant temperature circuit within/outside the range. General fault information. No information about fault type, B8444S



Diagnostic trouble code (DTC) information ECM-P011600

Condition

The engine control module (ECM) monitors the engine temperature using a sensor.

The diagnostic trouble code (DTC) is stored if the control module detects that the value from the engine coolant temperature (ECT) sensor deviates too much from the value for intake temperature after the engine has been switched off for an extended period.

The diagnostic trouble code (DTC) is diagnosed once per operating cycle, with the ignition on, but only when the temperature in the intake manifold has dropped by approximately 15°C, and has stabilized to near the ambient temperature since the previous operating cycle.

Substitute value

- During start-up: The intake air temperature (IAT) is used if no fault has been detected

on the intake temperature sensor

- After start-up: The engine coolant temperature (ECT) is calculated based on a model.
- Engine cooling fan (FC) is activated at the predefined speed.

Possible source

- Contact resistance in connector.
- Damaged engine coolant temperature sensor.

Fault symptom[s]

- Malfunction indicator lamp (MIL) lit.
- Engine reluctant to start.
- Uneven idle.
- Engine stops.
- The engine cooling fan (FC) runs continuously even when the ignition is switched off.

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