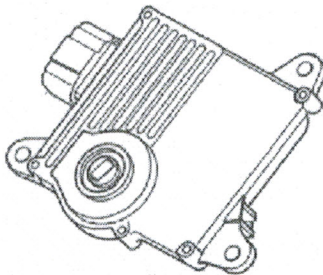


437: TCM-P171900 Engine Torque Signal. General Failure Information. No sub type information
S80 (07-), 2007, B8444S, TF-80SC
AWD, L.H.D, YV1AH852671028213, 028213
6/9/2021



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437: TCM-P171900 Engine Torque Signal. General Failure Information. No sub type information



**Diagnostic trouble code (DTC) information
TCM-P171900**

Condition

The engine control module (ECM) puts a signal about the present torque on the control area network (CAN). The transmission control module (TCM) uses the signal to determine shift points and to adjust system pressure in the transmission.

The diagnostic trouble code (DTC) is stored if the control module detects that:

- There is no torque signal from the engine control module (ECM) or the signal is faulty.

The control module's test for the diagnostic trouble code (DTC) starts in the event of:

- Ignition on and CAN network OK.

Substitute value

- Auxiliary program **Emergency mode 1** in the transmission control module

(TCM) has started.

Hint:
Emergency mode in the event of a fault

Possible source

- Fault-trace the central electronic module (CEM).
- Locate the cause of the fault in the engine control module (ECM).
- Intermittent open circuit or short-circuit on the CAN lead between the engine control module (ECM) and the transmission control module (TCM).

Fault symptom[s]

- Rough gear change
- No gear change
- No lock-up
- Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication
- Text window and warning symbol/Yellow symbol and text message

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284: ECM-P061A62 Internal Control Module Torque Performance. Algorithm Based Failures. Signal compare failure
S80 (07-), 2007, B8444S, TF-80SC AWD, L.H.D, YV1AH852671028213, 028213
6/9/2021



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284: ECM-P061A62 Internal Control Module Torque Performance. Algorithm Based Failures. Signal compare failure

2

Diagnostic trouble code (DTC) information

Condition

Engine Control Module (ECM) monitors the torque in the engine by reading and interpreting signals from mass air flow sensor, electronic throttle unit and air pressure sensor in the inlet manifold. The diagnostic trouble code (DTC) is stored if the measured torque exceeds the requested torque, based on the pedal position and the engine speed (RPM). The diagnostic trouble code (DTC) can be diagnosed in specific driving conditions.

Substitute value

- The engine torque is limited using fuel shut-off (maximum permitted torque depends on accelerator pedal position).

Possible source

- Air leakage in the intake manifold (downstream of the mass air flow (MAF) sensor and



- electronic throttle unit).
- Damaged throttle unit.
- Damaged mass air flow (MAF) sensor.
- Damaged engine coolant temperature (ECT) sensor.
- Damaged flywheel sensor.
- Damaged air pressure sensor in the inlet manifold.
- Damaged camshaft reset valve.
- Damaged VVT-unit.
- Damaged engine control module (ECM).

Fault symptom[s]

- Jerky running



6/9/2021