

**372: CEM-3F84 Immobilizer signal. Faulty signal**

XC90, 2006, B5254T2, AW50/51 AWD, L.H.D

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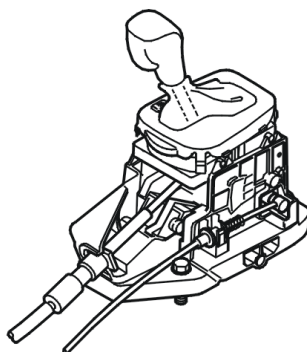
**PRINT****372: CEM-3F84 Immobilizer signal. Faulty signal****Diagnostic trouble code (DTC) information CEM-3F84****Condition**

The central electronic module (CEM) receives information from the transmission on a hardwired cable indicating when park or neutral are engaged. This is achieved by grounding an input on the central electronic module (CEM). The central electronic module (CEM) also receives a signal indicating the position of the gear-shift position sensor from the transmission control module (TCM) via the controller area network (CAN). The diagnostic trouble code (DTC) is stored if the central electronic module (CEM) detects that the gear-shift selector lever is not in position P or N but the position received from the transmission control module (TCM) on the controller area network (CAN) indicates that it is.

The diagnostic trouble code (DTC) can be diagnosed at ignition switch position II.

**Substitute value**

- None.



**Possible source**

- Open-circuit or short-circuit to supply voltage in the cable from the gear-shift position sensor.

**Fault symptom[s]**

- The gear selector is jammed in position P.

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