QB6 CHECK THE ENGINE OFF TIMER

Note: *Turning the ignition ON then OFF without an engine start for the purpose of checking the engine coolant temperature does not affect the test results.*

- Ignition ON, engine running.
- Allow the engine to stabilize at the correct operating temperature.
- Ignition OFF.
- Ignition ON, engine OFF.
- Clear the PCM DTCs.
- Ignition OFF.
- Allow the engine to cold soak long enough for the engine coolant temperature to drop at least 16.7°C (30°F).
- Ignition ON, engine OFF.
- Carry out the PCM self-test.

Is DTC P2610 present?

Yes	GO to QB7.
No	Unable to duplicate the condition. REFER to Section 3, GO to Pinpoint Test QT, to continue diagnosis.

QB7 CHECK FOR ANY BODY CONTROL MODULE (BDYCM) DTCS

- Carry out the BdyCM self-test.

Are any DTCs present?

Yes	REFER to the Workshop Manual Section 419-10, Multifunction Electronic Modules, to continue diagnosis.
No	GO to QB8.

QB8 CHECK FOR CORRECT PCM OPERATION

- Disconnect all the PCM connectors.
- Visually inspect for:
  - pushed out pins
  - corrosion
- Connect all the PCM connectors and make sure they seat correctly.
- Carry out the PCM self-test.
- Verify the concern is still present.

Is the concern still present?

Yes	INSTALL a new PCM. REFER to Section 2, Flash Electrically Erasable Programmable Read Only Memory (EEPROM), Programming the VID Block for a Replacement PCM.
No	The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector.

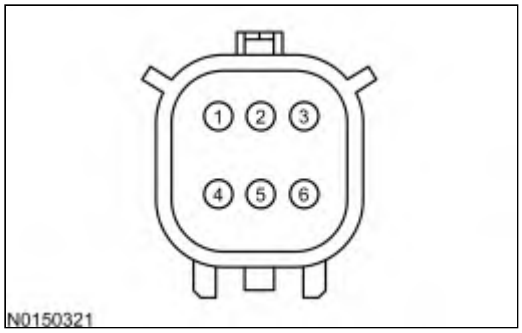
DG: Knock Sensor (KS)

This pinpoint test is intended to diagnose the following:

- knock sensor bank 1, sensor 1 (KS11), knock sensor bank 1, sensor 2 (KS12), knock sensor bank 2, sensor 1 (KS21) and knock sensor bank 2, sensor 2 (KS22) (12A699)
- harness circuits: KS11, KS11RTN, KS12, KS12RTN, KS21, KS21RTN, KS22, and KS22RTN
- PCM (12A650)

Knock Sensor Bank 1, Sensor 1 (KS11) Connector

A



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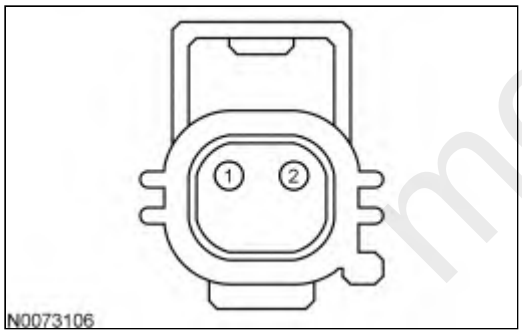

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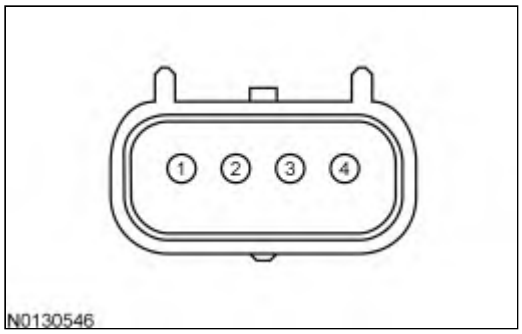

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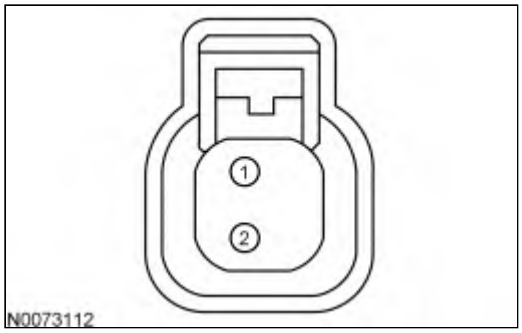

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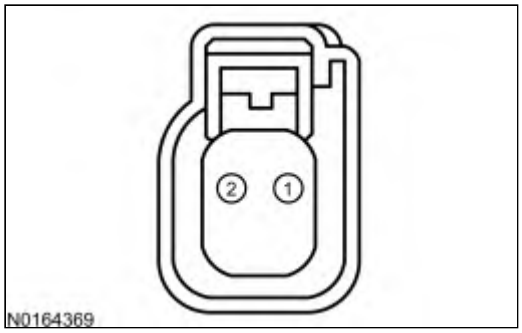

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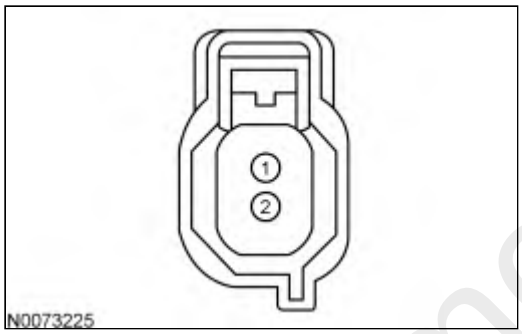

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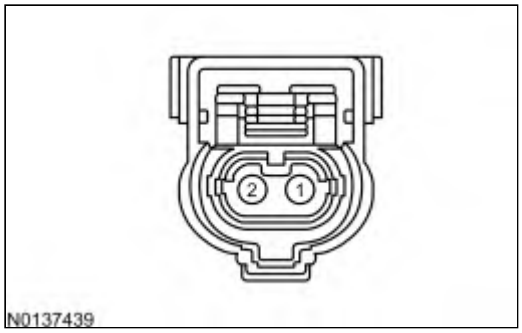

H