DTC B1004

Circuit Description

The internal fault detection is handled inside thecontrol module. No external circuits are involved.

DTC Descriptors

This diagnostic procedure supports the following DTC:DTC B1004 Keep Alive Memory (KAM) Reset

Conditions for Running the DTC

The module microprocessor must be active/awake.

Conditions for Setting the DTC

This DTC indicates the KAM in the module has beenreset. It is a normal occurrence when battery positive voltage or ground is removed from the module,such as a battery disconnect.

Action Taken When the DTC Sets

The microprocessor reverts back to the base programmed critical operating data until new data is learned and stored in KAM.

Conditions for Clearing the DTC

a) A current DTC clears when the malfunction is no longer present.
b) A history DTC clears when the module ignition cycle counter reaches the reset threshold, without a repeat of the malfunction.
c) This DTC may be stored as a history DTC without affecting the operation of the module. If stored only as a history DTC and not retrieved as a current DTC, do not replace the module.
d) If this DTC is retrieved as both a current and history DTC, replace the module.

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Step	Action	Yes	No
1	Did you perform the Diagnostic System Check -Vehicle?	Go to Step 2	Go to Diagnostic System Check -Vehicle on page 10-1 in Vehicle DTC Information
2	1. Install a scan tool. 2. Turn ON the ignition, with the engine OFF. 3. Retrieve DTCs. Is DTC retrieved as a current DTC?	Go to Step 3	Go to Diagnostic Aids
3	**Important:** Perform the setup procedure for the module if required. Replace the module. Refer to Control Module References on page 10-69. Did you complete the replacement?	Go to Step 4	—
4	1. Use the scan tool in order to clear the DTCs. 2. Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text. Does the DTC reset?	Go to Step 2	System OK