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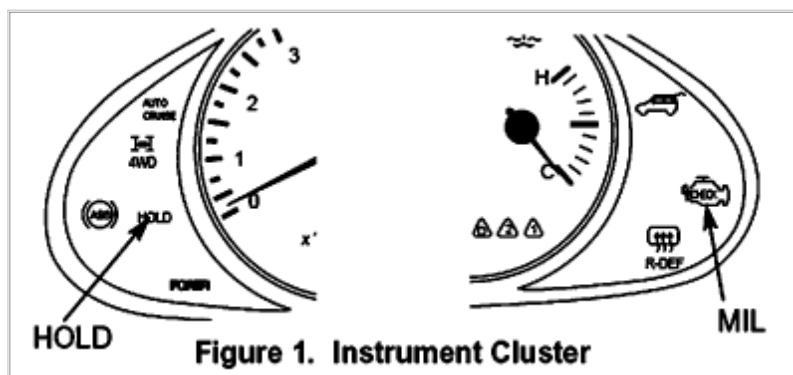
[Conversion Calculator](#)**2001 Kia Sephia L4-1.8L**[Vehicle Level](#) → [Powertrain Management](#) → [Transmission Control Systems](#) → [Control Module, A/T](#) → [Technical Service Bulletins](#) → [All Technical Service Bulletins](#) → [Engine Controls - MIL ON/DTC P1624](#) ←**Engine Controls - MIL ON/DTC P1624**[Notes](#)

SOURCE: Kia Technician Times

TITLE: Diagnostic Trouble Code P1624

APPLIES TO: All OBDII Models

SERVICE TIP:



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The Transmission Control Module (TCM) is not a part of the Engine Control Module (ECM), but will flash the "HOLD" light and send a "Mil Request Signal" to the [ECM](#) when the TCM has stored a DTC.

This means the [ECM](#) will illuminate the Malfunction Indicator "CHECK ENGINE" light indicating a DTC has been stored. When retrieved, the DTC "P1624 - MIL Request Signal" will be displayed. This DTC indicates that a code has been stored in the TCM. To retrieve TCM DTC's, exit out of the Engine DTC's Screen, then select "Transmission" to read ECAT DTC's.

Diagnostic trouble code P0743		Torque converter clutch system circuit malfunction	
Details			
Possible cause			
Step	Inspection	Action	
1	Are all connections at connectors and connector pins OK?	Yes	Go to next step.
		No	Repair or replace connector(s).
2	Measure terminal voltage of transaxle control module at terminal C221-4. Standard voltage: Solenoid valve ON: B+ Solenoid valve OFF: 0 V Is terminal voltage as specified?	Yes	Go to step 6.
		No	Go to next step.
3	Measure solenoid valve resistance between terminal C221-4 of connector and a ground as follows: 1. Disconnect negative battery cable. 2. Disconnect transaxle control module connector. 3. Measure resistance. Standard resistance: 14~18 Ω Is resistance within standard?	Yes	Go to step 6.
		No	Go to next step.
4	Measure solenoid valve resistance at torque converter clutch solenoid valve terminal of solenoid valve connector as follows: 1. Disconnect negative battery cable. 2. Disconnect solenoid valve connector. 3. Measure resistance. Standard resistance: 14~18 Ω Is resistance within standard?	Yes	Go to next step.
		No	Replace torque converter clutch solenoid valve.
5	Is the wiring between transaxle control module and solenoid valve OK?	Yes	Go to next step.
		No	Repair or replace connectors and wiring.
6	After diagnostic trouble code has been cleared, does reinspection diagnostic trouble code appear?	Yes	Replace transaxle control module.
		No	The problem is a temporarily poor connection of harness or connectors, and should be investigated further.