DTC	P0724	Brake Switch "B" Circuit High
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DESCRIPTION

The purpose of this circuit is to prevent the engine from stalling while driving in lock-up condition, when the brakes are suddenly applied.

When the brake pedal is depressed, this switch sends signals to the ECM. Then the ECM cancels the operation of the lock-up clutch while braking is in progress.

DTC No.	DTC Detection Condition	Trouble Area
P0724	The stop light switch remains ON even when the vehicle is driven in a GO (18.6 mph (30 km/h) or more) and STOP (less than 1.9 mph (3 km/h)) pattern 5 times. (2-trip detection logic)	 Short in stop light switch signal circuit Stop light switch ECM

MONITOR DESCRIPTION

This DTC indicates that the stop light switch remains ON. When the stop light switch remains ON during STOP and GO driving, the ECM interprets this as a fault in the stop light switch and the MIL comes on and the ECM stores the DTC. The vehicle must stop (less than 1.9 mph (3 km/h)) and go (18.6 mph (30 km/h) or more) 5 times during 2 driving cycles, in order to detect a malfunction.

MONITOR STRATEGY

Related DTCs	P0724: Stop light switch/Range check/Rationality	
Required sensors/Components	Stop light switch	
Frequency of operation	Continuous	
Duration	GO and STOP 5 times	
MIL operation	2 driving cycles	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

The stop light switch remains ON during GO and STOP 5 times.

GO and STOP are defined as follows;

The monitor will run whenever the following DTCs are not present.	None	
GO: Vehicle speed	18.6 mph (30 km/h) or more	
STOP: Vehicle speed	Less than 1.9 mph (3 km/h)	

TYPICAL MALFUNCTION THRESHOLDS

Stop light switch status Stuck ON	
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AT-60

WIRING DIAGRAM



HINT:

According to the DATA LIST displayed on the intelligent tester, you can read the values of components, such as the switches, sensors and actuators, without removing any parts. Reading the DATA LIST as the first step of troubleshooting is one method of shortening labor time.

NOTICE:

In the table below, the values listed under "Normal Condition" are for reference only. Do not depend solely on these reference values when judging whether a part is faulty or not.

(a) Connect the intelligent tester together with the CAN VIM (controller area network vehicle interface module) to the DLC3.

- (b) Turn the ignition switch to the ON position.
- (c) Push the "ON" button of the tester.
- (d) Select the items "DIAGNOSIS/ ENHANCED OBD II/ DATA LIST/ A/T".
- (e) According to the display on the tester, read the "DATA LIST".

ltem	Measurement Item/ Range (display)	Normal Condition
STOP LIGHT SW	Stop light Switch Status/ ON or OFF	Brake Pedal is depressed: ONBrake Pedal is released: OFF

