

DTC	P0724	Brake Switch "B" Circuit High
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CIRCUIT DESCRIPTION

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

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

DTC No.	DTC Detection Condition	Trouble Area
P0724	Stop light switch always turn on even vehicle is driver Go and Stop 10 times. (2-trip detection logic)	• Short in stop light switch signal circuit • Stop light switch • ECM

MONITOR DESCRIPTION

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 and go (3 km/h (2 mph) to 30 km/h (19 mph)) ten times for two driving cycles in order to detect malfunction.

MONITOR STRATEGY

Related DTCs	P0724	Stop light switch/Range check/Rationality
Required sensors/Components	Main	Stop light switch
	Sub	Vehicle speed sensor
Frequency of operation	Continuous	
Duration	GO and STOP 10 times	
MIL operation	2 driving cycles	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item	Specification	
	Minimum	Maximum
The monitor will run whenever the following DTCs are not present.	See page DI-361	
The stop light switch remains on during GO and STOP 10 times.		
GO and STOP are defined as follows;		
GO: Vehicle speed	30 km/h (19 mph) or more	–
STOP: Vehicle speed	–	Less than 3 km/h (2 mph)

TYPICAL MALFUNCTION THRESHOLDS

Detection criteria	Threshold
Brake switch status	ON stuck

WIRING DIAGRAM

See page [DI-278](#).

INSPECTION PROCEDURE

1	Check stop light switch (See page BE-50).
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NG	Replace stop light switch.
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OK

2	Check harness and connector between ECM and stop light switch (See page IN-36).
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NG	Repair or replace harness or connector.
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OK

Check and replace ECM (See page [IN-36](#)).