

DTC Description

B1809 is outputted when there is any fault, open/short to ground, in optical fiber sensor circuit. And it is outputted when the contact sensor maintains "ON" status for more than 10 sec due to damaged or pressed bumper.

DTC Detecting Condition

Item			Conditions for setting DTC		Possible Cause
DTC Strategy			• Monitoring power supply voltage		1. Faulty optical fiber sensor
Enable Conditions			• IG key "ON"		
Case1	Threshold Value		• LED current control output is applied for more than 0.3V~0.7V(it is relevant to 5mA control output) 3sec continuous & maintains PD value less than 0.8~1.2V		
	Diagnostic Time		• 1sec		
	Fail-safe		• Prohibit deployment		
	Cancellation	Active DTC	• Restoring more than PD 3.5V & maintaining 3 continuous cycles(for 3sec) at IG key "ON" • Can be erased by GDS		
History DTC		• Can be erased by GDS			
Case2	Threshold Value		• Contact sensor maintains "ON" status for more than 10sec		2. Faulty contact sensor
	Diagnostic Time		• 100ms		
	Fail-safe		• Operates by default mode (Contact sensor input = center)		
	Cancellation	Active DTC	• Maintaining normal status of contact sensor for more than 3sec at IG key "ON" • Can be erased by GDS		
		History DTC	• Can be erased by GDS		