

2003 MY for Transmission Fluid Temp. Sensor "A" Circuit Monitor (P0710 / P0712 / P0713)

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MONITOR STRATEGY

Required sensors/Components	Main	ATF temperature sensor
	Sub	None
Frequency of operation	Continuous	
Duration	0.5 sec.	
MIL operation	Immediate	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item		Specification	
		Minimum	Maximum
The monitor will run whenever the following DTCs are not present.		See page In-39	
Engine family	Item	Specification	
		Minimum	Maximum
All models	Range check (Low resistance)		
	The typical enabling condition is not available.	–	–
	Range check (High resistance)		
	Time after engine start up	15 min. or more	–
	Range check (Chattering)		
	The typical enabling condition is not available.	–	–

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
1ZZ-FE, 2RZ-FE, 1MZ-FE (HIGH LAND-ER, RX300, SIENNA)	Range check (Low resistance)	
	TFT Sensor resistance	Less than 79 Ω
	Range check (High resistance)	
	TFT Sensor resistance	More than 156 k Ω
Except 1ZZ-FE, 2RZ-FE, 1MZ-FE (HIGH LANDER, RX300, SIENNA)	Range check (Low resistance)	
	TFT Sensor resistance	Less than 79 Ω
	Range check (High resistance)	
	TFT Sensor resistance	More than 156 k Ω
	Range check (Chattering)	
	TFT Sensor resistance	< 79 Ω or > 156 k Ω