Th005–01

2000 to 2004 MY Thermostat Monitor (P0128)

To return to monitor description, see page Th–1.

MONITOR STRATEGY

Required sensors/Components	Main	ECT sensor
	Sub	IAT sensor, Crankshaft position sensor, MAF sensor, Vehicle speed sensor
Frequency of operation	Once per driving cycle	
Duration	900 sec.	
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 In–39	
Battery voltage	11 V	–
(a) IAT at engine start	–10˚C (14˚F)	35˚C (95˚F)
(b) ECT at engine start	–10˚C (14˚F)	35˚C (95˚F)
Difference between (a) and (b)	–15 ˚C (5˚F)	7˚C (45˚F)
Accumulative time with vehicle speed 80 km/h (50 mph) or more	–	20 sec.

TYPICAL MALFUNCTION THRESHOLDS

Detection Criteria	Threshold
Duration period for both (c) and (d)	5 sec. or more
(c) Estimated ECT	75˚C (167˚F)
(d) ECT (sensor output)	Less than 75˚C (167˚F)

COMPONENT OPERATING RANGE

Parameter	Standard Value
Simulated ECT	75˚C (167˚F)
ECT (sensor output)	75˚C (167˚F) or more

MODE 06 DATA (MONITOR RESULT)

(a) Checking monitor status (See page In–43)
(b) Detecting Mode 06 data (See page In–44)