

Vehicle Diagnostic Report

2010 IS250 4GR-FSE



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Diagnostic Trouble Code Report Engine(1 of 1)

DTC Monitors are Complete.

MIL: ON

Code	Description	Current	Pending	History	Permanent	Summary	Freeze Frame
P0172	System Too Rich (Bank 1)	X	X	X	X	Icon B	Y
P0175	System Too Rich (Bank 2)		X			Icon D	N
P0335	Crankshaft Position Sensor "A" Circuit	X	X	X	X	Icon B	Y
P0340	Camshaft Position Sensor Circuit		X			Icon D	N

Freeze Frame Data Report P0172(1 of 3)

Parameter	Value					Unit
	-3	-2	-1	0	1	
Vehicle Speed	0	0	0	0	0	km/h
Engine Speed	713	707	695	686	689	rpm
Calculate Load	43.5	43.9	43.5	43.5	43.9	%
Vehicle Load	24.7	24.7	24.3	25.0	24.7	%
MAF	4.37	4.37	4.21	4.29	4.26	gm/sec
Atmosphere Pressure	-2	-2	-2	-2	-2	psi(gauge)
Coolant Temp	83	83	83	83	83	C
Intake Air	5	5	5	5	5	C
Ambient Temperature	0	0	0	0	0	C
Engine Run Time	1057	1057	1058	1058	1058	s
Initial Engine Coolant Temp	3.1	3.1	3.1	3.1	3.1	C
Initial Intake Air Temp	3.7	3.7	3.7	3.7	3.7	C
Battery Voltage	13.378	13.378	13.339	13.378	13.359	V
Accel Sens. No.1 Volt %	16.0	16.0	16.0	16.0	16.0	%
Accel Sens. No.2 Volt %	31.7	31.7	31.7	31.7	31.7	%
Throttle Sensor Volt %	16.4	16.4	16.4	16.4	16.4	%
Throttle Sensor #2 Volt %	48.2	48.2	48.2	48.2	48.2	%
Throttle Sensor Position	0.0	0.0	0.0	0.0	0.0	%
Throttle Motor DUTY	16.4	16.4	16.4	16.4	16.4	%
Fuel Press	592	592	602	595	592	psig
Injection Volum (Cylinder1)	0.071	0.071	0.072	0.072	0.072	ml
Fuel Pump Speed Control	ON	ON	ON	ON	ON	
Fuel Pump/Speed Status	ON	ON	ON	ON	ON	
Vacuum Pump	OFF	OFF	OFF	OFF	OFF	
Combustion Status (D4)	Stoich1	Stoich1	Stoich1	Stoich1	Stoich1	
Fuel Pressure Target Value	4.000	4.000	4.000	4.000	4.000	MPa
Fuel Pump Duty (D4)	13.0	13.0	13.0	13.5	13.5	%
High Pres FP Duty	11.68	12.10	11.21	11.05	11.95	%
SCV Status (D4)	ON	ON	ON	ON	ON	
Injection Timing (D4)	300.0	300.0	300.0	300.0	300.0	deg (CA)
Injection Time (D4)	1076	1091	1094	1098	1109	us
EVAP (Purge) VSV	0.0	0.0	0.0	0.0	0.0	%
Evap Purge Flow	0.0	0.0	0.0	0.0	0.0	%
Purge Density Learn Value	-2.405	-2.405	-2.405	-2.405	-2.405	
EVAP System Vent Valve	OFF	OFF	OFF	OFF	OFF	
EVAP Purge VSV	OFF	OFF	OFF	OFF	OFF	
Purge Cut VSV Duty	0.0	0.0	0.0	0.0	0.0	%
Target Air-Fuel Ratio	1.001	1.001	1.001	1.001	1.001	
AF Lambda B1S1	1.019	1.016	1.010	1.008	1.008	
AF Lambda B2S1	1.008	1.002	0.999	0.994	1.001	
AFS Voltage B1S1	3.416	3.404	3.370	3.356	3.360	V
AFS Voltage B2S1	3.329	3.299	3.282	3.260	3.289	V
AFS Current B1S1	0.07	0.06	0.04	0.03	0.03	mA

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Parameter	Value						Unit
	-3	-2	-1	0	1		
AFS Current B2S1	0.01	0.00	-0.01	-0.03	-0.01	mA	
A/F Heater Duty B1S1	40.6	40.6	46.0	53.1	57.0	%	
A/F Heater Duty B2S1	52.3	53.1	58.5	51.5	50.7	%	
O2S B1S2	0.855	0.855	0.855	0.855	0.855	V	
O2S B2S2	0.135	0.135	0.135	0.135	0.135	V	
O2S Impedance B1S2	180.26	179.61	180.26	179.94	179.94	ohm	
O2S Impedance B2S2	170.53	171.18	170.21	169.24	169.24	ohm	
O2 Heater B1S2	Active	Not Act	Active	Active	Active		
O2 Heater B2S2	Active	Active	Active	Not Act	Not Act		
O2 Heater Curr Val B1S2	1.080	1.072	1.072	1.080	1.080	A	
O2 Heater Curr Val B2S2	1.047	1.055	1.039	1.047	1.039	A	
Short FT B1S1	-4.688	-3.907	-3.125	-3.125	-3.125	%	
Long FT B1S1	-33.594	-33.594	-33.594	-33.594	-33.594	%	
Total FT #1	-0.360	-0.360	-0.360	-0.360	-0.360		
Short FT B2S1	-1.563	-2.344	-2.344	-2.344	-2.344	%	
Long FT B2S1	-30.469	-30.469	-30.469	-30.469	-30.469	%	
Total FT #2	-0.317	-0.317	-0.317	-0.317	-0.317		
Fuel System Status #1	CL	CL	CL	CL	CL		
Fuel System Status #2	CL	CL	CL	CL	CL		
IGN Advance	6.5	6.0	10.0	11.0	11.0	deg	
Knock Feedback Value	-3.0	-3.0	-3.0	-3.0	-3.0	deg (CA)	
Knock Correct Learn Value	24.1	24.1	24.1	24.1	24.1	deg (CA)	
ACIS VSV	OFF	OFF	OFF	OFF	OFF		
IAC Sensor Voltage	0.629	0.629	0.629	0.629	0.629	V	
Intake Air Control Position	-2	-2	-2	-2	-2	deg	
VVT Control Status #1	OFF	OFF	OFF	OFF	OFF		
VVT Control Status #2	OFF	OFF	OFF	OFF	OFF		
Catalyst Temp B1S1	677.4	675.5	675.5	675.5	673.5	C	
Catalyst Temp B2S1	677.4	675.5	675.5	675.5	673.5	C	
Catalyst Temp B1S2	677.4	675.5	675.5	675.5	673.5	C	
Catalyst Temp B2S2	677.4	675.5	675.5	675.5	673.5	C	
Starter Signal	OFF	OFF	OFF	OFF	OFF		
Starter Control	OFF	OFF	OFF	OFF	OFF		
Power Steering Signal	OFF	OFF	OFF	OFF	OFF		
Starter Relay	OFF	OFF	OFF	OFF	OFF		
ACC Relay	OFF	OFF	OFF	OFF	OFF		
Neutral Position SW Signal	OFF	OFF	OFF	OFF	OFF		
Stop Light Switch	ON	ON	ON	ON	ON		
A/C Signal	ON	ON	ON	ON	ON		
Idle Up Signal	OFF	OFF	OFF	OFF	OFF		
Closed Throttle Position SW	ON	ON	ON	ON	ON		
Fuel Cut Condition	OFF	OFF	OFF	OFF	OFF		
Immobiliser Communication	ON	ON	ON	ON	ON		
Engine Oil Pressure SW	OFF	OFF	OFF	OFF	OFF		
TC Terminal	OFF	OFF	OFF	OFF	OFF		
Time after DTC Cleared	1186	1186	1186	1186	1186	min	
Distance from DTC Cleared	785	785	785	785	785	km	
Warmup Cycle Cleared DTC	30	30	30	30	30		
Dist Batt Cable Disconnect	785	785	785	785	785	km	
IG OFF Elapsed Time	860	860	860	860	860	min	
TC and TE1	OFF	OFF	OFF	OFF	OFF		
Ignition Trig. Count	18	37	55	65	73		
Cylinder #1 Misfire Count	0	0	0	0	0		
Cylinder #2 Misfire Count	0	0	0	0	0		
Cylinder #3 Misfire Count	0	0	0	0	0		
Cylinder #4 Misfire Count	0	0	0	0	0		
Cylinder #5 Misfire Count	0	0	0	0	0		
Cylinder #6 Misfire Count	0	0	0	0	0		
All Cylinders Misfire Count	0	0	0	0	0		
Misfire RPM	0	0	0	0	0	rpm	
Misfire Load	0.00	0.00	0.00	0.00	0.00	g/rev	
Misfire Margin	79.00	80.00	80.00	80.00	73.00	%	
Catalyst OT MF F/C	Avail	Avail	Avail	Avail	Avail		
Cat OT MF F/C History	OFF	OFF	OFF	OFF	OFF		
Cat OT MF F/C Cylinder#1	OFF	OFF	OFF	OFF	OFF		
Cat OT MF F/C Cylinder#2	OFF	OFF	OFF	OFF	OFF		
Cat OT MF F/C Cylinder#3	OFF	OFF	OFF	OFF	OFF		
Cat OT MF F/C Cylinder#4	OFF	OFF	OFF	OFF	OFF		
Cat OT MF F/C Cylinder#5	OFF	OFF	OFF	OFF	OFF		
Cat OT MF F/C Cylinder#6	OFF	OFF	OFF	OFF	OFF		
Swirl C.V. Duty Ratio	0	0	0	0	0	%	

Freeze Frame Data Report
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Parameter	Value					Unit
	-3	-2	-1	0	1	
A/C Magnetic Clutch Relay	ON	ON	ON	ON	ON	
Electric Fan Motor	OFF	OFF	OFF	OFF	OFF	
Idle Fuel Cut	OFF	OFF	OFF	OFF	OFF	
FC TAU	OFF	OFF	OFF	OFF	OFF	
Electrical Load Signal 1	OFF	OFF	OFF	OFF	OFF	
Electrical Load Signal 2	OFF	OFF	OFF	OFF	OFF	
Electrical Load Signal 3	OFF	OFF	OFF	OFF	OFF	
Electrical Load Signal 4	OFF	OFF	OFF	OFF	OFF	
Key Unlock Signal	ON	ON	ON	ON	ON	
Received MIL from ECT	OFF	OFF	OFF	OFF	OFF	
Shift Position Sig from ECT	1st	1st	1st	1st	1st	
A/T Oil Temp from ECT	70.6	70.6	70.6	70.6	70.6	C
SPD (NO)	0	0	0	0	0	rpm
SPD (NT)	0	0	0	0	0	rpm
ECT Lock Up	OFF	OFF	OFF	OFF	OFF	