

# Vehicle Diagnostic Report

2008 IS250 4GR-FSE

JTHBK262385063243

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## Diagnostic Trouble Code Report

Engine(1 of 1)

**DTC Monitors** are Incomplete.

**MIL:** OFF

Code	Description	Current	Pending	History	Permanent	Summary	Freeze Frame
B2799	Engine Immobiliser System	X		X		Icon E	Y

## Freeze Frame Data Report

B2799(1 of 2)

Parameter	Value						Unit
	-3	-2	-1	0	1		
Vehicle Speed	N/A.	N/A.	N/A.	0	0	MPH	
Engine Speed	N/A.	N/A.	N/A.	0	0	rpm	
Calculate Load	N/A.	N/A.	N/A.	0.0	0.0	%	
Vehicle Load	N/A.	N/A.	N/A.	0.0	0.0	%	
MAF	N/A.	N/A.	N/A.	0.46	0.46	gm/sec	
Atmosphere Pressure	N/A.	N/A.	N/A.	-0	-0	psi(gauge)	
Coolant Temp	N/A.	N/A.	N/A.	91	91	F	
Intake Air	N/A.	N/A.	N/A.	115	115	F	
Ambient Temperature	N/A.	N/A.	N/A.	91	91	F	
Engine Run Time	N/A.	N/A.	N/A.	0	0	s	
Initial Engine Coolant Temp	N/A.	N/A.	N/A.	91.6	91.6	F	
Initial Intake Air Temp	N/A.	N/A.	N/A.	115.2	115.2	F	
Battery Voltage	N/A.	N/A.	N/A.	12.2	12.2	V	
Accel Sens. No.1 Volt %	N/A.	N/A.	N/A.	15.6	15.6	%	
Accel Sens. No.2 Volt %	N/A.	N/A.	N/A.	32.1	32.1	%	
Throttle Sensor Volt %	N/A.	N/A.	N/A.	18.4	18.4	%	
Throttle Sensor #2 Volt %	N/A.	N/A.	N/A.	50.9	50.9	%	
Throttle Sensor Position	N/A.	N/A.	N/A.	0.3	0.3	%	
Throttle Motor DUTY	N/A.	N/A.	N/A.	15.6	15.6	%	
Fuel Press	N/A.	N/A.	N/A.	2030	2030	psig	
Injection Volum (Cylinder1)	N/A.	N/A.	N/A.	0.000	0.000	ml	
Fuel Pump Speed Control	N/A.	N/A.	N/A.	OFF	OFF		
Fuel Pump/Speed Status	N/A.	N/A.	N/A.	OFF	OFF		
Vacuum Pump	N/A.	N/A.	N/A.	OFF	OFF		
Combustion Status (D4)	N/A.	N/A.	N/A.	FC	FC		
Fuel Pressure Target Value	N/A.	N/A.	N/A.	13.00	13.00	MPa	
Fuel Pump Duty (D4)	N/A.	N/A.	N/A.	0.0	0.0	%	
High Pres FP Duty	N/A.	N/A.	N/A.	0.00	0.00	%	
SCV Status (D4)	N/A.	N/A.	N/A.	ON	ON		
SCV Angle (D4)	N/A.	N/A.	N/A.	-4.19	-4.19	deg	
SCV Angle Sensor (D4)	N/A.	N/A.	N/A.	0.522	0.522	V	
Injection Timing (D4)	N/A.	N/A.	N/A.	0.0	0.0	deg (CA)	
Injection Time (D4)	N/A.	N/A.	N/A.	0.00	0.00	ms	
EVAP (Purge) VSV	N/A.	N/A.	N/A.	0.0	0.0	%	
Evap Purge Flow	N/A.	N/A.	N/A.	0.0	0.0	%	
Purge Density Learn Value	N/A.	N/A.	N/A.	0.000	0.000		
EVAP System Vent Valve	N/A.	N/A.	N/A.	OFF	OFF		
EVAP Purge VSV	N/A.	N/A.	N/A.	OFF	OFF		
Target Air-Fuel Ratio	N/A.	N/A.	N/A.	0.705	0.705		
AF Lambda B1S1	N/A.	N/A.	N/A.	0.997	0.997		
AF Lambda B2S1	N/A.	N/A.	N/A.	0.998	0.998		
AFS Voltage B1S1	N/A.	N/A.	N/A.	3.29	3.29	V	
AFS Voltage B2S1	N/A.	N/A.	N/A.	3.29	3.29	V	
AFS Current B1S1	N/A.	N/A.	N/A.	-0.01	-0.01	mA	
AFS Current B2S1	N/A.	N/A.	N/A.	0.00	0.00	mA	
O2S B1S2	N/A.	N/A.	N/A.	0.01	0.01	V	

**Freeze Frame Data Report**  
B2799(2 of 2)

Parameter	Value						Unit
	-3	-2	-1	0	1		
O2S B2S2	N/A.	N/A.	N/A.	0.01	0.01	V	
O2S Impedance B1S2	N/A.	N/A.	N/A.	21247.67	21247.67	ohm	
O2S Impedance B2S2	N/A.	N/A.	N/A.	21247.67	21247.67	ohm	
Short FT B1S1	N/A.	N/A.	N/A.	0.0	0.0	%	
Long FT B1S1	N/A.	N/A.	N/A.	0.0	0.0	%	
Total FT #1	N/A.	N/A.	N/A.	0.000	0.000		
Short FT B2S1	N/A.	N/A.	N/A.	0.0	0.0	%	
Long FT B2S1	N/A.	N/A.	N/A.	0.0	0.0	%	
Total FT #2	N/A.	N/A.	N/A.	0.000	0.000		
Fuel System Status #1	N/A.	N/A.	N/A.	OL	OL		
Fuel System Status #2	N/A.	N/A.	N/A.	OL	OL		
IGN Advance	N/A.	N/A.	N/A.	5.0	5.0	deg	
Knock Feedback Value	N/A.	N/A.	N/A.	0.0	0.0	deg (CA)	
Knock Correct Learn Value	N/A.	N/A.	N/A.	22.8	22.8	deg (CA)	
ACIS VSV	N/A.	N/A.	N/A.	OFF	OFF		
VVT Control Status #1	N/A.	N/A.	N/A.	OFF	OFF		
VVT Control Status #2	N/A.	N/A.	N/A.	OFF	OFF		
Catalyst Temp B1S1	N/A.	N/A.	N/A.	112.1	112.1	F	
Catalyst Temp B2S1	N/A.	N/A.	N/A.	112.1	112.1	F	
Catalyst Temp B1S2	N/A.	N/A.	N/A.	99.5	99.5	F	
Catalyst Temp B2S2	N/A.	N/A.	N/A.	99.5	99.5	F	
Starter Signal	N/A.	N/A.	N/A.	OFF	OFF		
Starter Control	N/A.	N/A.	N/A.	OFF	OFF		
Power Steering Signal	N/A.	N/A.	N/A.	OFF	OFF		
Starter Relay	N/A.	N/A.	N/A.	OFF	OFF		
Power Steer. Sig. Record	N/A.	N/A.	N/A.	OFF	OFF		
ACC Relay	N/A.	N/A.	N/A.	OFF	OFF		
Neutral Position SW Signal	N/A.	N/A.	N/A.	ON	ON		
Stop Light Switch	N/A.	N/A.	N/A.	OFF	OFF		
A/C Signal	N/A.	N/A.	N/A.	OFF	OFF		
Closed Throttle Position SW	N/A.	N/A.	N/A.	ON	ON		
Fuel Cut Condition	N/A.	N/A.	N/A.	OFF	OFF		
Immobiliser Communication	N/A.	N/A.	N/A.	ON	ON		
Electrical Load Signal	N/A.	N/A.	N/A.	OFF	OFF		
Engine Oil Pressure SW	N/A.	N/A.	N/A.	ON	ON		
Time after DTC Cleared	N/A.	N/A.	N/A.	0	0	min	
Distance from DTC Cleared	N/A.	N/A.	N/A.	0	0	mile	
Warmup Cycle Cleared DTC	N/A.	N/A.	N/A.	0	0		
TC and TE1	N/A.	N/A.	N/A.	OFF	OFF		
Ignition Trig. Count	N/A.	N/A.	N/A.	0	0		
Cylinder #1 Misfire Count	N/A.	N/A.	N/A.	0	0		
Cylinder #2 Misfire Count	N/A.	N/A.	N/A.	0	0		
Cylinder #3 Misfire Count	N/A.	N/A.	N/A.	0	0		
Cylinder #4 Misfire Count	N/A.	N/A.	N/A.	0	0		
Cylinder #5 Misfire Count	N/A.	N/A.	N/A.	0	0		
Cylinder #6 Misfire Count	N/A.	N/A.	N/A.	0	0		
All Cylinders Misfire Count	N/A.	N/A.	N/A.	0	0		
Misfire RPM	N/A.	N/A.	N/A.	0	0	rpm	
Misfire Load	N/A.	N/A.	N/A.	0.00	0.00	g/rev	
Misfire Margin	N/A.	N/A.	N/A.	-100.00	-100.00	%	
Catalyst OT MF F/C	N/A.	N/A.	N/A.	Avail	Avail		
Cat OT MF F/C History	N/A.	N/A.	N/A.	OFF	OFF		
Cat OT MF F/C Cylinder#1	N/A.	N/A.	N/A.	OFF	OFF		
Cat OT MF F/C Cylinder#2	N/A.	N/A.	N/A.	OFF	OFF		
Cat OT MF F/C Cylinder#3	N/A.	N/A.	N/A.	OFF	OFF		
Cat OT MF F/C Cylinder#4	N/A.	N/A.	N/A.	OFF	OFF		
Cat OT MF F/C Cylinder#5	N/A.	N/A.	N/A.	OFF	OFF		
Cat OT MF F/C Cylinder#6	N/A.	N/A.	N/A.	OFF	OFF		
Swirl C.V. Duty Ratio	N/A.	N/A.	N/A.	0	0	%	
A/C Magnetic Clutch Relay	N/A.	N/A.	N/A.	OFF	OFF		
Electric Fan Motor	N/A.	N/A.	N/A.	OFF	OFF		
Idle Fuel Cut	N/A.	N/A.	N/A.	OFF	OFF		
FC TAU	N/A.	N/A.	N/A.	OFF	OFF		
Received MIL from ECT	N/A.	N/A.	N/A.	OFF	OFF		
Shift Position Sig from ECT	N/A.	N/A.	N/A.	1st	1st		
A/T Oil Temp from ECT	N/A.	N/A.	N/A.	89.2	89.2	F	
SPD (NO)	N/A.	N/A.	N/A.	0	0	rpm	
SPD (NT)	N/A.	N/A.	N/A.	0	0	rpm	
ECT Lock Up	N/A.	N/A.	N/A.	OFF	OFF		

Techstream (Ver 17.00.020) - 10702  
File Function Setup TIS User Help  
System Select | Stored Data | Engine Live | ABS/VSC/TRAC Live

2008 IS250  
4GR-FSE

**Freeze Frame Data**  
**B2799 Engine Immobiliser System**

\*N/A=Not Available

Parameter	Unit	-3	-2	-1	0	1
Vehicle Speed	MPH	N/A	N/A	N/A	0	0
Engine Speed	rpm	N/A	N/A	N/A	0	0
Calculate Load	%	N/A	N/A	N/A	0.0	0.0
Vehicle Load	%	N/A	N/A	N/A	0.0	0.0
MAF	gm/sec	N/A	N/A	N/A	0.46	0.46
Atmosphere Pressure	psi(gauge)	N/A	N/A	N/A	-0	-0
Coolant Temp	F	N/A	N/A	N/A	91	91
Intake Air	F	N/A	N/A	N/A	115	115
Ambient Temperature	F	N/A	N/A	N/A	91	91
Engine Run Time	s	N/A	N/A	N/A	0	0
Initial Engine Coolant Temp	F	N/A	N/A	N/A	91.6	91.6
Initial Intake Air Temp	F	N/A	N/A	N/A	115.2	115.2
Battery Voltage	V	N/A	N/A	N/A	12.2	12.2
Accel Sens. No.1 Volt %	%	N/A	N/A	N/A	15.6	15.6
Accel Sens. No.2 Volt %	%	N/A	N/A	N/A	32.1	32.1
Throttle Sensor Volt %	%	N/A	N/A	N/A	18.4	18.4
Throttle Sensor #2 Volt %	%	N/A	N/A	N/A	50.9	50.9
Throttle Sensor Position	%	N/A	N/A	N/A	0.3	0.3
Throttle Motor DUTY	%	N/A	N/A	N/A	15.6	15.6
Fuel Press	psig	N/A	N/A	N/A	2030	2030
Injection Volum (Cylinder1)	ml	N/A	N/A	N/A	0.000	0.000
Fuel Pump Speed Control		N/A	N/A	N/A	OFF	OFF
Fuel Pump/Speed Status		N/A	N/A	N/A	OFF	OFF
Vacuum Pump		N/A	N/A	N/A	OFF	OFF
Combustion Status (D4)		N/A	N/A	N/A	FC	FC
Fuel Pressure Target Value	MPa	N/A	N/A	N/A	13.00	13.00
Fuel Pump Duty (D4)	%	N/A	N/A	N/A	0.0	0.0
High Pres FP Duty	%	N/A	N/A	N/A	0.00	0.00
SCV Status (D4)		N/A	N/A	N/A	ON	ON
SCV Angle (D4)	deg	N/A	N/A	N/A	-4.19	-4.19
SCV Angle Sensor (D4)	V	N/A	N/A	N/A	0.522	0.522
Injection Timing (D4)	deg (CA)	N/A	N/A	N/A	0.0	0.0
Injection Time (D4)	ms	N/A	N/A	N/A	0.00	0.00

Trouble Codes  
Data List  
Active Test  
Monitor  
Utility  
Dual Data List

TIS Search  
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All Data  
 Sort A to Z  
 Sort by Variable Item

Activate Windows  
Go to Settings to activate Windows.

6304-04 Engine