

Judgment of Engine Compression

Engine Compression (PC)

Input value in YELLOW highlighted box

Engine Compression (PC)		Judgment of Engine Compression	
Input value in YELLOW highlighted box			
kPa	Rotor 1	Rotor 2 (Rear)	Acceptable Levels
1	890	890	830 Standard
2	890	890	680 Minimum
3	890	890	150 Diff / Chambers
RPM	308	308	100 Diff / Rotors
After Entering Values		CLICK HERE	
		Good	Good
kgf/cm2	Rotor 1	Rotor 2 (Rear)	Rotor 2
1	8.9	8.9	Good
2	8.9	8.9	Good
3	8.9	8.9	Good
RPM	299	299	8.5 Standard
After Entering Values		CLICK HERE	6.9 Minimum
		Good	1.5 Diff / Chambers
		Good	1 Diff / Rotors
PSI	Rotor 1	Rotor 2 (Rear)	Rotor 2
1	125	121	Good
2	120	120	Good
3	120	120	Good
RPM	299	298	120 Standard
After Entering Values		CLICK HERE	98.6 Minimum
		Good	21.8 Diff / Chambers
		Good	14.5 Diff / Rotors



Select Option

All CMDTCS

Pass - PCM

Pass - RCM

Pass - SASM

U1900 - ABS

U1900 - FF - EPS

U1900 - FF - IC

LC100 - FF - RKE

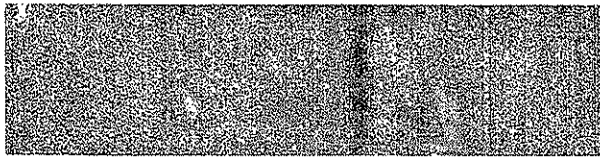
U1900 - FF - TPM

No DICs present

Powertrain Control Module



Mazda Vehicle Check-up



Model	RX-8 (North America Specs.)
VIN	#####60202678
Mileage	
Test Date	6/23/2008



Self-Diagnosis Test		
1	Anti-Lock Brake / Traction Control Module It maintains stable driving performance by reduction of wheel locking, tire spinning etc.	Normal <input checked="" type="checkbox"/>
3	Electronic-Controlled Power Steering It adjusts the steering operation based on the speed of the vehicle.	Normal <input checked="" type="checkbox"/>
5	Instrument Cluster It controls instruments and gauges on the instrument panel.	Normal <input checked="" type="checkbox"/>
6	Remote Keyless Entry It controls Advanced Keyless Entry and Starting System.	Normal <input checked="" type="checkbox"/>
7	Restraint Control Module It deploys SRS airbags to protect the driver from injuries in times of accident.	Normal <input checked="" type="checkbox"/>
17	Powertrain Control Module It controls the timing of injecting fuel and igniting the sparkplugs depending on driving conditions.	Normal <input checked="" type="checkbox"/>

Input/Output Test		
1	Input/Output Test	Pass <input checked="" type="checkbox"/>

Powertrain Control Module Data Monitor						
Parameter	Limits	Measurement			Judgement	
		High	Low	Average	Good	No Good
1 Throttle Position	0V - 1.5V	0.66V	0.64V	0.64V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Throttle Position Sensor 1	0.35V - 1V	0.66V	0.64V	0.64V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Throttle Position Sensor 2	1.1V - 2V	1.53V	1.5V	1.5V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Heated Exhaust Gas Oxygen Sensor (bank 1, sensor 1)	-300uA - 300uA	137uA	12uA	41uA	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Engine Revolutions Per Minute	750RPM - 850RPM	888RPM	792RPM	824RPM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Generator output voltage	12V - 16V	14.3V	13.6V	14V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Engine coolant temperature	158°F - 217.4°F	181.4°F	181.4°F	181.4°F	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Advisor Comment	The vehicle condition is good.
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Mazda Vehicle Check-up : Powertrain Control Module Data Monitor

Parameter

Limits

High

Low

Average

JUDGMENT

+	Parameter	High	Low	Average	JUDGMENT
+	TP Throttle Position	0V - 1.5V	0.64V	0.64V	Normal
+	TP1 Throttle Position Sensor 1	0.35V - 1V	0.64V	0.64V	Normal
+	TP2 Throttle Position Sensor 2	1.1V - 2V	1.5V	1.5V	Normal
+	O2S11 Heated Exhaust Gas Oxygen Sensor (bank 1, sensor 1)	-300uA - 300uA	12uA	41uA	Normal
+	RPM Engine Revolutions Per Minute	750RPM - 850RPM	792RPM	824RPM	Normal
+	ALTTV generator output voltage	13V - 16V	13.6V	14V	Normal
+	ECT Engine coolant temperature	158°F - 217.4°F	181.4°F	181.8°F	Normal

