

FUEL INJECTION SYSTEM



Fault code No.	13	Symptom	Intake air pressure sensor – open or short circuit detected.	
Used diagnostic code No. 03 (intake air pressure sensor)				
Order	Inspection operation item and probable cause	Operation item and countermeasure	Reinstatement method	
1	Connected condition of connector Inspect the coupler for any pins that may have pulled out. Check the locking condition of the coupler.	If there is a malfunction, repair it and connect it securely. Intake air pressure sensor coupler Main wiring harness ECU coupler Sub-wire harness coupler	Reinstated by turning the main switch ON.	
2	Open or short circuit in wiring harness and/or sub lead.	Repair or replace if there is an open or short circuit. Between sensor coupler and ECU coupler Black/Blue – Black/Blue Pink/White – Pink/White Blue – Blue		
3	Defective intake air pressure sensor	<p>Execute the diagnostic monitoring mode (Code No.03). Replace if defective.</p> <p>1. Connect the pocket tester (DC 20 V) to the intake air pressure sensor coupler terminal as shown.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Tester positive probe → pink/white ① Tester negative probe → black/blue ②</p> </div> <div style="text-align: center; margin: 5px 0;"> </div> <p>2. Set the main switch to “ON”.</p> <p>3. Measure the intake air pressure sensor output voltage.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <div style="display: flex; align-items: center;"> <p>Intake air pressure sensor output voltage 4.75 ~ 5.25 V</p> </div> </div> <p>4. Is the intake air pressure sensor OK?</p>		

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Fault code No.	14	Symptom	Intake air pressure sensor – hose system malfunction (clogged or detached hose).	
Used diagnostic code No. 03 (intake air pressure sensor)				
Order	Inspection operation item and probable cause	Operation item and countermeasure	Reinstatement method	
1	Intake air pressure sensor hose detached, clogged, kinked, or pinched. Intake air pressure sensor malfunction at intermediate electrical potential.	Repair or replace the sensor hose. Inspect and repair the connection.	Reinstated by starting the engine and operating it at idle.	
2	Connected condition of connector Intake air pressure sensor coupler Main wiring harness ECU coupler	Check the coupler for any pins that may have pulled out. Check the locking condition of the coupler. If there is a malfunction, repair it and connect it securely.		
3	Defective intake air pressure sensor.	Execute the diagnostic mode (Code No.03). Replace if defective. Refer to “Fault code No. 13”.		

Fault code No.	15	Symptom	Throttle position sensor – open or short circuit detected.			
Used diagnostic code No. 01 (throttle position sensor)						
Order	Inspection operation item and probable cause	Operation item and countermeasure	Reinstatement method			
1	Installed condition of throttle position sensor.	Check the installed area for looseness or pinching. Check that it is installed in the specified position. Refer to “THROTTLE BODIES” section.	Reinstated by turning the main switch ON.			
2	Connected condition of connector Inspect the coupler for any pins that may have pulled out. Check the locking condition of the coupler.	If there is a malfunction, repair it and connect it securely. Throttle position sensor coupler Main wiring harness ECU coupler Sub-wire harness coupler				
3	Open or short circuit in wiring harness and/or sub lead.	Repair or replace if there is an open or short circuit. Between sensor coupler and ECU coupler Black/Blue – Black/Blue Yellow – Yellow Blue – Blue				
4	Throttle position sensor lead wire open circuit output voltage check.	Check for open circuit and replace the throttle position sensor. Black/Blue – Yellow			Open circuit item	Output voltage
		Ground wire open circuit			5 V	
		Output wire open circuit	0 V			
		Power supply wire open circuit	0 V			
5	Defective throttle position sensor.	Execute the diagnostic mode (Code No.01). Replace if defective. Refer to “THROTTLE BODIES” section.				