

TESTING

FAULT CODES

ECC has self-diagnostic capability. Each time ignition is turned on, ECU performs a self-diagnostic check. Any faults detected will be deleted when key is turned off. If a fault is detected, indicator light in A/C button on control panel will flash.

As a further indication of fault, light will continue to flash after engine is started. If ECU detects a serious fault, indicator light will continue to flash until key is turned off. If fault detected is considered less serious by ECU, indicator light will flash for 20 seconds after engine start and stop flashing. See ECC FAULT CODE DEFINITIONS table.

RETRIEVING FAULT CODES

Before retrieving fault codes, ensure engine has been running for 5 minutes, blower dial on automatic ("aut"), mode dial at vent, temperature dial at maximum cooling and A/C compressor operating. Direct a strong flashlight beam (not fluorescent type) at sunlight sensor.

Depress A/C button and release within 5 seconds. If fault(s) is detected by ECU, indicator light will begin flashing a 3-digit code. First number of fault code (number 1 or 2) will be displayed by one or two flashes, a pause, then second number will be displayed, a pause, then third number of fault code is displayed. Example: fault code 132 would be displayed by a single flash, a pause, 3 flashes, a pause, 2 flashes. A fault code of 111 indicates no faults have been detected.

If only one fault code is detected, indicator light will repeat that code until key is turned off. If 2 or more faults are detected, indicator light will flash each fault code in sequence and repeat cycle after last fault code is displayed.

READING FAULT CODES

Record all fault codes displayed. Turn ignition off. Refer to ECC FAULT DEFINITIONS CODE table for system fault. Repair fault. Repeat RETRIEVING FAULT CODES procedure to ensure proper repair.

ECC FAULT CODE DEFINITIONS TABLE

Fault Code	System Fault
111	No Fault
121	Ambient Temperature Sensor
121	Shorted to Ground
122	Ambient Temperature Sensor
122	Open or Shorted to 12 Volts
131	Interior Temperature Sensor
131	Shorted to Ground
132	Interior Temperature Sensor
132	Open or Shorted to 12 Volts
141 (1)	Heater Core Temperature Sensor
141	Shorted to Ground
142 (1)	Heater Core Temperature Sensor
142	Open or Shorted to 12 Volts
151	D+ Signal Fault in Alternator
161	Sun Radiation Sensor Fault
211	Air-Mix Motor/Potentiometer
211	Open Circuit or Shorted to Ground
212	Air-Mix Motor/Potentiometer
212	Shorted to 12 Volts
213	Air-Mix Motor Terminals No. 17 or 18
213	Incorrectly Connected to 12 Volts
214	Air-Mix Motor Failure
231	Faulty ECU Temperature Control
233	Blower Motor Has
233	Excessive Current Draw
241 (2)	Coolant Valve Vacuum Solenoid
242 (2)	Bi-Level Vacuum Solenoid
243 (2)	Vent Vacuum Solenoid
244 (2)	Recirculation Vacuum Solenoid
245 (2)	Defroster Vacuum Solenoid
246 (2)	Floor Vacuum Solenoid
247 (2)	Blower Maximum Speed Relay
248 (2)	A/C Compressor Clutch Relay
249 (2)	Electric Radiator Fan Relay

(1) - Considered less serious fault.

(2) - One or more electrical connections at power unit are improperly connected or shorted to 12 volts, affecting component operation.