

0 Normal operation no fault codes present

Possible Source(s):

- None

Action(s) to take:

- Wait 30 seconds for system self-check.

11 Motorized in-car aspirator malfunction

Possible Source(s):

- Harness / connector fault
- Sensor open / short circuit

Action(s) to take:

- Panel fault codes are not stored for motorized in-car aspirator motor failure.

12 Ambient temperature sensor malfunction

Possible Source(s):

- Harness / connector fault
- Sensor open / short circuit

Action(s) to take:

- After rectification, disconnect the vehicle battery for 10 seconds to reset the system.

13 Evaporator temperature sensor malfunction

Possible Source(s):

- Harness / connector fault
- Sensor open / short circuit

Action(s) to take:

- Refer to PDU

14 Water temperature input malfunction

Possible Source(s):

- Instrument cluster output

Action(s) to take:

- Refer to PDU

15 Heater matrix temperature sensor malfunction

Possible Source(s):

- Harness / connector fault
- Sensor open / short circuit

Action(s) to take:

- Refer to PDU

21 Solar sensor

Possible Source(s):

- Sensor open /short circuit

Action(s) to take:

- Refer to PDU

22 Compressor lock signal fault

Possible Source(s):

- Low refrigerant charge, low compressor oil level, loose drive belt
- Harness / connector fault

Action(s) to take:

- Adjust items as required

23 Refrigerant pressure switch malfunction

Possible Source(s):

- Harness / connector fault
- Switch open / short circuit

Action(s) to take:

- Refer to PDU

23 Refrigerant pressure low refrigerant charge *

Possible Source(s):

- Leak from damaged pipe or joint

Action(s) to take:

- Rectify as required and recharge system

24 Face vent demand potentiometer fault

Possible Source(s):

- Potentiometer open / short circuit
- Harness / connector fault

Action(s) to take:

- Refer to PDU

31 LH fresh / recirc. potentiometer fault

Possible Source(s):

- Harness / connector fault
- In certain circumstances the servo motor may over-travel and cause further logged faults. This may be cured, following fault rectification, by cycling the ignition ON-OFF-ON 3 times

Action(s) to take:

- Refer to PDU

32 RH fresh / recirc. potentiometer fault

Possible Source(s):

- Harness / connector fault
- In certain circumstances the servo motor may over-travel and cause further logged faults. This may be cured, following fault rectification, by cycling the ignition ON-OFF-ON 3 times

Action(s) to take:

- Refer to PDU

33 Cool air by-pass potentiometer fault

Possible Source(s):

- Harness / connector fault
- In certain circumstances the servo motor may over-travel and cause further logged faults. This may be cured, following fault rectification, by cycling the ignition ON-OFF-ON 3 times

Action(s) to take:

- Refer to PDU

34 Defrost vent potentiometer fault

Possible Source(s):

- Harness / connector fault
- In certain circumstances the servo motor may over-travel and cause further logged faults. This may be cured, following fault rectification, by cycling the ignition ON-OFF-ON 3 times

Action(s) to take:

- Refer to PDU

35 Centre vent potentiometer fault

Possible Source(s):

- Harness / connector fault
- In certain circumstances the servo motor may over-travel and cause further logged faults. This may be cured, following fault rectification, by cycling the ignition ON-OFF-ON 3 times

Action(s) to take:

- Refer to PDU

36 Foot vent potentiometer fault

Possible Source(s):

- Harness / connector fault
- In certain circumstances the servo motor may over-travel and cause further logged faults. This may be cured, following fault rectification, by cycling the ignition ON-OFF-ON 3 times

Action(s) to take:

- Refer to PDU

41 LH fresh / recirc. motor fault

Possible Source(s):

- Harness / connector fault
- Servo motor seized or sticking
- Flap seized or sticking

Action(s) to take:

- Refer to PDU

42 RH fresh / recirc. motor fault

Possible Source(s):

- Harness / connector fault
- Servo motor seized or sticking
- Flap seized or sticking

Action(s) to take:

- Refer to PDU

43 Cool air by-pass motor fault

Possible Source(s):

- Harness / connector fault
- Servo motor seized or sticking
- Flap seized or sticking

Action(s) to take:

- Refer to PDU

44 Defrost vent motor fault

Possible Source(s):

- Harness / connector fault
- Servo motor seized or sticking
- Flap seized or sticking

Action(s) to take:

- Refer to PDU

45 Centre vent motor fault

Possible Source(s):

- Harness / connector fault
- Servo motor seized or sticking
- Flap seized or sticking

Action(s) to take:

- Refer to PDU

46 Foot vent motor fault

Possible Source(s):

- Harness / connector fault
- Servo motor seized or sticking
- Flap seized or sticking

Action(s) to take:

- Refer to PDU

Actuator Check Procedure

The system self test procedure drives all the actuator motors, to check their operation. If an actuator is operating incorrectly or operating outside of its limits then a fault code will be present.

Before commencing with the actuator check procedure, ensure the car is operating under normal conditions.

Switch ignition OFF.

Press and hold the RECIRC and AUTO buttons simultaneously, switch ignition ON and run the engine.

All the control panel LEDs and all LCD segments will flash on and off. Any function LED indicator which does not flash on / off suggests a fault condition within that area of the panel or, with the LED.

- Any LCD element which fails to flash on / off indicates a fault within the display element or panel.

Press AUTO

Press RECIRC button to instigate actuator check mode.

Press FACE to cycle through the actuator mode conditions 20 to 27.

Press the FAN button to restore normal operation with default panel settings, ie AUTO @ 24°C.

Actuator Fault Codes

NOTE:

* The water valve operates on a 6 second pulse, ie 3 seconds ON, 3 seconds OFF.

Code	Blower Level	Outlet			Cool air by-pass	Fresh / Recirc.	Compressor	Water valve	Water pump
		Centre vent	Foot	Defrost					
20	0	open	closed	closed	closed	fresh	OFF	closed	OFF
21	1	open	closed	closed	closed	fresh	OFF	closed	ON
22	10	open	closed	closed	open	half open	A/C ON	closed	ON
23	17	bleed	half open	closed	half open	half open	A/C ON	6s pulse *	ON
24	17	bleed	half open	closed	closed	recirc.	A/C ON	6s pulse *	ON
25	23	closed	open	bleed	closed	recirc.	A/C ON	open	ON
26	23	closed	half open	half open	closed	recirc.	A/C ON	open	ON
27	31	closed	closed	open	closed	open	A/C ON	open	ON