

75ZT Community

How to run the ATC (Climate Control) Diagnostics checks By Mike

Running this routine performs a full check on the ATC system including the sunlight sensor. To start the check:

1. Press and hold the AUTO switch and the air distribution switch and then turn the ignition switch from 0 to II.
2. The audible warning and all indicators on the control panel display cycle on and off while the ECU runs the diagnostic check.
3. On completion of the check the display shows FC in the LH temperature window and a two digit fault code in the RH temperature window.
4. If there are no faults, the system will revert to normal operation.
5. If a fault is detected, an audible warning sounds three times and the fault codes cycle on and off in numerical order. The audible warning will sound as each fault code is shown.
6. Cancel the check by pressing the OFF switch or turning the ignition switch to 0.
7. In low light conditions to avoid false sunlight sensor fault indication the sunlight sensor (centre front of dashboard) needs to be illuminated with a strong light source.

Fault code and description 00 - No fault found -

- 11 - In-car temperature sensor open or short circuit 25 °C (77 °F)
- 12 - K bus fault with ambient temperature input 10 °C (52 °F)
- 13 - Evaporator sensor open or short circuit 5 °C (41 °F)
- 14 - Heater coolant temperature sensor open or short circuit 70 °C (158 °F)
- 21 - Sunlight sensor, left output open or short circuit no solar heating correction
- 22 - Sunlight sensor, right output open or short circuit no solar heating correction
- 31 - LH temperature servo motor open, or short circuit, motor or flap mechanism seized, servo motor locked in position.
- 32 - RH temperature servo motor open or short circuit, motor or flap mechanism seized, servo motor locked in position.
- 33 - Distribution servo motor open or short circuit, motor or flap mechanism seized, servo motor locked in position.