

If the supply voltage is below 10.5 volts, switch off the ignition. Remove the SAIR fuse, check the fuse continuity and replace if necessary.

Switch on the ignition and check for correct 12V ignition supply at the SAIR fuse input terminal.

If the voltage is below 10.5V, troubleshoot the Battery + supply through underbonnet Battery Feed Terminal.

Replace the SAIR fuse, re-connect the SAIR relay, connector C1886. Switch on the ignition and clear the P2258 code. Repeat the KOER test to ensure that the problem is resolved.

If the fault is still present, go to step 6.

6. Switch off the ignition, disconnect the PCM connector C0636 and the SAIR relay connector, C1886 inspect for backed-out pins, corrosion, loose wires, etc. Repair the harness as required.

Install the PCM break-out box and do a continuity check between the following pins:

- C0634-2 (EAIM) to C1886-5
- C0636-2 (EAIM) to C0879-2(SAIR Pump)
- C0879-1(SAIR Pump) to C0836-1(SAIR Pump Earth)

If a short to ground/open circuit is identified, repair the fault and reconnect the SAIR relay and the PCM.

Switch on the ignition and clear the P2258 code. Repeat the KOER test to ensure that the problem is resolved.

If no fault is identified, install the PCM break-out box and bridge between PCM connector, pin C0634-49 (EAIR) and chassis ground.

Check that the air pump is running and there is an air flow from the pump outlet hose. Switch off the ignition and replace the relay.

Switch on the ignition and clear the P2258 code. Repeat the KOER test to ensure that the problem is resolved.

7. If the P0412, P2257/P2258 is still present contact Aston Martin Technical Support.

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P0420/P0430 - Cylinder Catalyst Failure

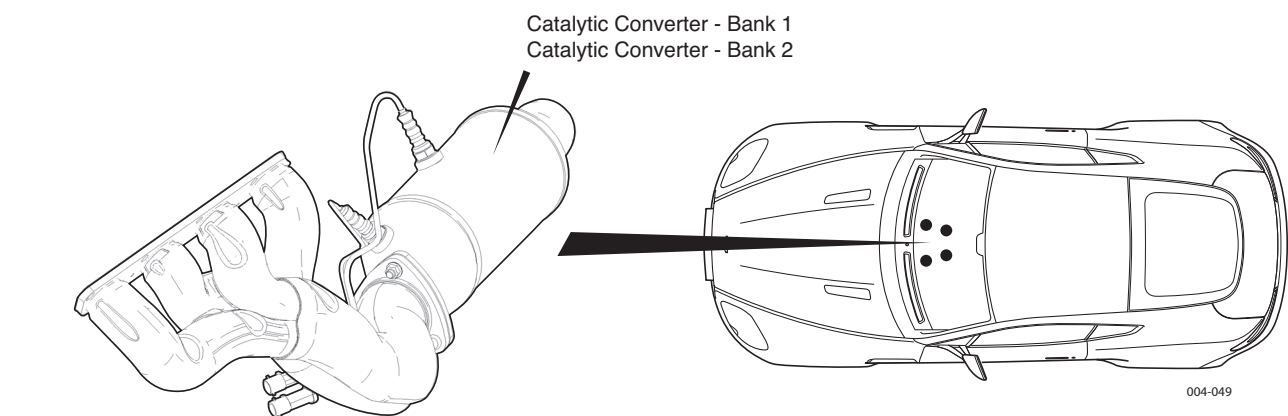


Figure 1. Catalyst Efficiency System Components

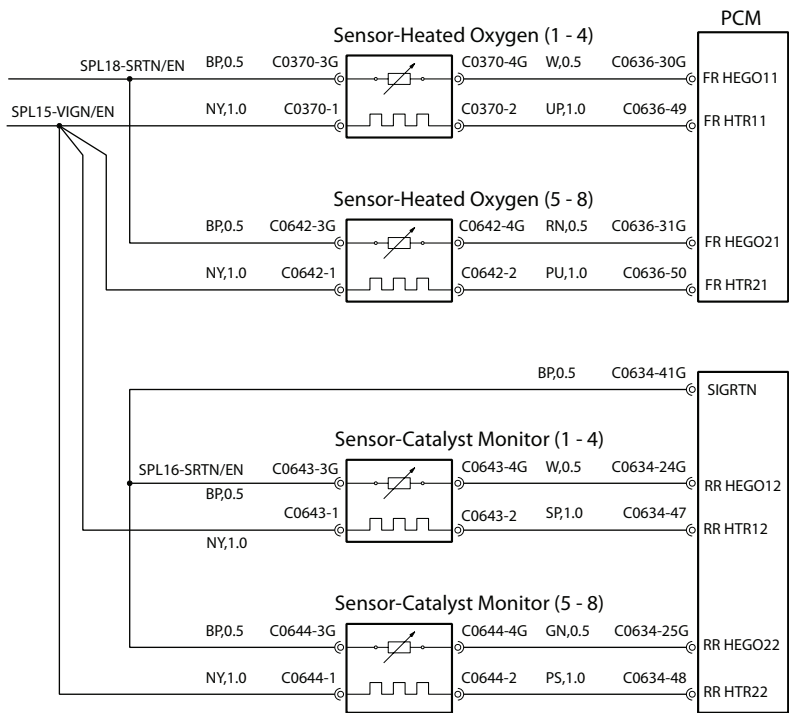


Figure 2. Heated Oxygen Sensor HO2S-2 - PCM Circuits