


 Applies To: **2000-05 S2000** – ALL

August 15, 2006

MIL Comes On With DTC P0410, P0411, P1410, P1415, P1416, or P2445

SYMPTOM

The MIL is on with one of these DTCs:

- P0410 (air pump circuit malfunction)
- P0411 (secondary air injection system incorrect flow)
- P1410 (air pump malfunction)
- P1415 (air pump electrical current sensor circuit low voltage)
- P1416 (air pump electrical current sensor circuit high voltage)
- P2445 (air pump malfunction)

PROBABLE CAUSE

The air pump relay (contactor assembly) sticks intermittently, causing the air pump (secondary air injection) to overheat.

CORRECTIVE ACTION

Replace the air pump and the air pump relay.

NOTE: Collision damage and/or collision repair to the pulsed secondary air injection system is not covered by this bulletin.

PARTS INFORMATION

Contactor Assembly/Air Pump Relay:
P/N 39794-PCX-023, H/C 8452989

Air Pump Assembly:
P/N 18760-PCX-003, H/C 6233357

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

Operation Number: 122101

Flat Rate Time: 0.6 hour

Failed Part: P/N 39794-PCX-013
H/C 6389514

Defect Code: 03217

Symptom Code: 03203

Template ID: 06-055A

Skill Level: Repair Technician

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Parts and Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

DIAGNOSIS

1. Connect the HDS.
2. Navigate to **PGM-FI DTC/Freeze Data**.

Are any of these DTCs stored: P0410, P0411, P01410, P1415, P1416, or P2445?

Yes - Inspect the pulsed secondary air injection air pump for overheating (see below).

- If the pump shows signs of overheating, go to **REPAIR PROCEDURE**.
- If there are no signs of overheating, continue with normal troubleshooting.

SECONDARY AIR INJECTION AIR PUMP



Examine this area for signs of overheating.

No - Continue with normal troubleshooting. This bulletin does not apply.

REPAIR PROCEDURE

Replace the air pump and the air pump relay.

- Refer to page 11-208 of the *2000-2006 S2000 Service Manual*, or
- Online, type in the model and year of the vehicle, then enter the keyword **AIR PUMP**. Select **Air Pump/Air Pump Relay Removal/Installation** from the list.