



## Tech Note

The following Volvo TSB concerns a RECALL regarding a possibly faulty fuel pressure sensor.

If the wrong pressure were to be reported to the PCM, since it controls the pressure regulator on these vehicles, all sorts of problems such as rich or lean air fuel mixtures could occur, and remember, the driver may not get the benefit of a warning code due to the rather wide parameters OBD II engineers used with regard to fuel trim.

A mixture that is too lean, even with fuel trim readings of only +10% will cause false catalyts codes, while a rich mixture evidenced by fuel trims of -10% or less will cause converter damage.

The corresponding family of codes, P0171 through P0176 generally won't be set until the trim value reaches 25% in either direction.

MAKE/MODELS: MODEL/BUILD YEARS:

Volvo/S60 2003-2004

Volvo/V70 2003-2004

MANUFACTURER: Volvo Cars of N.A. LLC.

NHTSA CAMPAIGN ID NUMBER: 07V226000 MFR'S REPORT DATE: May 24, 2007

COMPONENT: Engine and Engine Cooling

POTENTIAL NUMBER OF UNITS AFFECTED: 38700

**SUMMARY:**

On certain passenger vehicles, the fuel pressure sensor located on the left end of the fuel rail may, at times, transmit incorrect signal regarding the fuel pressure to the engine control module. If the signal is outside of the pre-programmed allowable limits, a diagnostic trouble code may be set and the check engine light will come on. The soldered joints on the circuit board of the fuel pressure sensor may crack due to temperature changes and excessive vibrations.

**CONSEQUENCE:**

Misfire may occur during driving that, in turn, will reduce the engine torque and in the worst case scenario, the engine may stall without warning. In certain traffic situations this could cause an unsafe situation and possibly a crash.

**REMEDY:**

Dealers will replace the fuel pressure sensor free of charge. The manufacturer has not yet provided an owner notification schedule for this campaign. Owners may contact Volvo at 1-800-458-1552.

**NOTES:**

Volvo recall No. R181. Customers may contact The National Highway Traffic Safety Administration's Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.