



TECH BULLETIN

2004 VOLVO 2.4 ENGINES

If you're battling a converter issue on a 2004 S40, V40, S60, C70, V70, XC70, S80 or XC90, pay close attention to the following Volvo TSB.

In 2004, there were several engines manufactured using the wrong valve seat/intake valve pairing. The seats were hard, where the valves were soft. This caused premature intake valve wear.

If you've exhausted your resources, perform a leakdown test to rule out early intake valve failure.

Worn intake valves can cause misfire, incomplete combustion, low engine vacuum, and a myriad of other issues that could cause catalytic converter issues.



DATE: 8-15-2005

MODEL/CHASSIS: See Table Below

M.YEAR: 2004

SUBJECT:

Engine may have a rough idle, DTC ECM misfire codes, rough running or lack of power.

DESCRIPTION:

The Customer may have a complaint of a rough idle, rough running, lack of power or the

MIL on.

SERVICE:

^ Read out DTC's

^ Check compression and do a leak down test with the engine cold.

^ Check valve clearance on the cylinders with low compression.

^ Remove the cylinder head and check the condition of the valve face.

^ If the valve face is worn, replace ALL the intake valves, even if some look okay.

^ Use ONLY intake valves with P/N 30637059.

NOTE: Machining, grinding or lapping of valve seats or valve sealing surface must not be

done.

Do not forget to check and adjust valve clearances for the new valves.