

Fault code P045600 or P044200 without complaints about engine running characteristics

Topic number	LI47.40-P-053871
Version	4
Design group	47.40 Control units / modules
Date	07-10-2013
Validity	Model 204; 207; 212; 218; 221; 216; 166.1 with engine 276 or 278. Model 166.8 with engine 278.
Reason for change	update for model 207
Reason for block	

Complaint:

Engine diagnosis warning lamp activated. Fault code P045600 "Very fine leak" or P044200 "Fine leak" stored in engine control unit.

Cause:

In vehicles refueled with winter fuel at an outside temperature > 20 °C, the automatic fuel tank leak test can produce an erroneous diagnosis.

The software of the automatic fuel tank leak test is too sensitive for the above parameters.

Remedy:

If there is no identifiable leak in the fuel system, no components may be replaced. In this case the fault code should be erased. Software for models 204, 212, 218, 221, 216, 166.0 with engine 276 or 278 has been available in field since August 2012.

A field remedy is currently not available for model 207 with engine 276 or 278 and model 166.8. If there is no identifiable leak in the fuel system, no components may be replaced. In this case the fault code should be erased. A field remedy through new software for model 166.8 is expected to be available for July 2013.

A field remedy through new software for model 207 is in preparation, timeline will follow.

Symptoms
Power generation / Engine management / Engine management indicator lamp / Engine diagnosis / lit

Control unit/fault code		
Control unit	Fault code	Fault text
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177)	P044200	A fine leak in the evaporative emission control system was detected.
ME - Motor electronics 'MED177' for combustion engi-	P045600	A very fine leak in the evaporative emission control system was detected.

ne 'M276' (N3/10), MED 17.7- Motor electronics for direct in- jection 17.7 (MED177)		
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Validity		
Vehicle	Engine	Transmission
166.055	276.955	*
166.057	276.955	*
166.058	276.955	*
207.355	276.957	*
207.355	276	*
207.359	276.957	*
207.359	276	*
207.365	276	*
207.388	276.957	*
207.388	276	*
207.455	276.957	*
207.455	276	*
207.459	276.957	*
207.459	276	*
207.465	276	*
212.055	276.952	*
212.059	276.952	*
212.080	276.952	*
212.088	276.952	*
212.095	276.952	*
212.255	276.952	*
212.259	276.952	*
212.280	276.952	*
212.288	276.952	*
218.355	276.952	*
218.359	276	*
218.373	278	*
218.391	278	*
C (204)	276	*
CL (216)	278	*
E (207)	278	*
E (212)	278	*
GL (166)	278.928	*
M (166)	278	*
R (251)	276	*

XENTRY

S (221)	276	*
S (221)	278	*