

Fault code P045600 or P044200 without complaints about engine running characteristics

Topic number	LI47.40-P-053871
Version	8
Design group	47.40 Control units / modules
Date	05-06-2014
Validity	Model 204; 207; 212; 218; 221; 216; 166.1 with engine 276 or 278. Model 166.8 with engine 278.
Reason for change	validity change
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.

Software for model 166.8 with engine 278 has been available in the field since August 2013 with the following add-on: 2938 for DVD 05/13 and 2939 for DVD 07/13.

Software for Model 207 is available on the SDS 01/2014 release with the following add-ons:

M276 add-on 3404

M278 add-on 3456

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	P045600	A very fine leak in the evaporative emission control system was detected.

injection 17.7 (MED177) (CL (216),R (251),S (221))		
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (GLK (204),C (204),E (212), CLS (218),M (166),E (207),GL (166))	P044200	A fine leak in the evaporative emission control system was detected. _
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (CL (216),R (251),S (221))	P044200	A fine leak in the evaporative emission control system was detected.
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (GLK (204),C (204),E (212), CLS (218),M (166),E (207),GL (166))	P045600	A very fine leak in the evaporative emission control system was detected. _

Validity		
Vehicle	Engine	Transmission
166.055	276.955	*
166.057	276.955	*
166.058	276.955	*
204.957	*	*
204.988	*	*
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	*

XENTRY

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	*
251.057	276.958	*
251.157	276.958	*
C (204)	276	*
CL (216)	278	*
E (207)	278	*
E (212)	278	*
GL (166)	278.928	*
M (166)	278	*
S (221)	276	*
S (221)	278	*