

Combination message: "Clean fuel filter" as well as fault code (FC) 162500, P226997 or 171600 stored in engine control unit

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|-------------------|-------------------------------|
| Topic number | LI47.20-P-054958 |
| Version | 3 |
| Design group | 47.20 Fuel pump, filter |
| Date | 07-01-2013 |
| Validity | All cars with OM642 and OM651 |
| Reason for change | Reword remedy step 10 |
| Reason for block | |

Complaint:

Combination message: "Clean fuel filter" is displayed.

The fault code 162500 (water level message - Bosch) or P226997 (water level message - Delphi) or 171600 (filter load - Bosch) is stored in the engine control unit.

Cause:

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Remedy:

With FC 162500 or FC P226997:

1. Drain water from the fuel filter: Drain off approx. 200 ml (not possible with Q16 - the filter must be changed in this case).
2. After approx. 1 min, at least 50 ml of water must settle at the bottom of the measuring cup - in this case, the message was justified - delete the FC and return the vehicle to the customer.
3. If no water settles in the measuring cup, the message was due to incorrect detection.
4. Check the contacts at the fuel filter/glow time control unit and cable set for moisture.
5. Delete the FC and run the engine at idle for 2 min. Please observe whether the combination message is set again.
6. If the combination message does not occur, please hand the vehicle back over to the customer.
7. If the combination message is set again, please change the fuel filter.
8. Delete the FC and run the engine at idle for 2 min. Please observe whether the combination message is set again.
9. If the combination message is set again, please replace the glow time control unit.
10. If the combination message is to be set again, please create a PTSS case.

With FC 171600:

1. Measure the pressure drop at the filter using 2 pressure gauges.
2. If the pressure drop is greater than 0.7 bar, change the fuel filter.

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

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|--------------------------------|------------|------------|
| Control unit/fault code | | |
| Control unit | Fault code | Fault text |

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|---|---------|---|
| CDI 6EU5-Common Rail Diesel Injection, CDI6EU5-Common Rail Diesel Injection (M (164),G (461),GL (164)) | 162500 | The water content of the fuel filter has reached the upper limit value. |
| CDI - Motor electronics 'CDID3' for combustion engine 'OM651' (N3/9) (CRD3) (GLK (204),C (204),CLA (117),SLK (172),A (176),E (212),B (242, 246),CLS (218),M (166),E (207),GL (166)) | P226997 | The proportion of water in the fuel is too high. The system function is restricted. |
| CDI 60LS-Common Rail Diesel Injection, CDI 6-Common Rail Diesel Injection (CDI60LS) (M (164),R (251),GL (164),S (221)) | 162500 | The water content of the fuel filter has reached the upper limit value. |
| CDI 6BIN5EU6-Common Rail Diesel Injection (CDI6BIN5EU6) (M (164),R (251),GL (164),G (463)) | 162500 | The water content of the fuel filter has reached the upper limit value. |

| Validity | | |
|----------|---------|--------------|
| Vehicle | Engine | Transmission |
| * | 642.950 | * |
| * | 642.856 | * |
| * | 642.820 | * |
| * | 642.940 | * |
| * | 642.884 | * |
| * | 642.838 | * |
| * | 642.910 | * |
| * | 642.921 | * |
| * | 642.960 | * |
| * | 642.822 | * |
| * | 642.932 | * |
| * | 642.826 | * |
| * | 642.850 | * |
| * | 642.858 | * |
| * | 642.920 | * |
| * | 642.872 | * |
| * | 642.975 | * |
| * | 642.836 | * |
| * | 642.854 | * |
| * | 642.834 | * |
| * | 642.853 | * |
| * | 642.862 | * |

XENTRY

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|---|---------|---|
| * | 642.830 | * |
| * | 642.835 | * |
| * | 642.886 | * |
| * | 642.868 | * |
| * | 642.961 | * |
| * | 642.870 | * |
| * | 642.832 | * |
| * | 642.852 | * |
| * | 642.930 | * |
| * | 642.970 | * |
| * | 651.925 | * |
| * | 651.924 | * |
| * | 651.913 | * |
| * | 651.960 | * |
| * | 651.912 | * |
| * | 651.911 | * |
| * | 651.901 | * |
| * | 651.916 | * |
| * | 651.961 | * |
| * | 651.980 | * |