

Engine diagnosis warning lamp lights up. Reason: fault code entry 14A600 or 14A700

Topic number	L114.20-P-052079
Version	2
Design group	14.20 Exhaust gas recirculation
Date	05-13-2013
Validity	All model series with OM642.8
Reason for change	Remedial action reformulated and supplemented.
Reason for block	

Complaint:

Engine diagnosis warning lamp lights up.

Note: Fault code 14A600 or 14A700 14B100 is stored in the CDI control unit.

Cause:

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Remedy:

1. Check of the relevant seals and boots on the clean air line (in the direction of the air filter box and turbocharger).
2. A deformed EGR corrugated tube internally.
3. Check of the EGR inlet point/ EGR pipe for carbonization.

Please refer to the example pictures in the attachment! Both fault profiles lead to EGR rate control outside the permissible range, and therefore result in the above faults being stored in the engine control unit.

Check the relevant seal/boot on the clean air line and the EGR line in the inner tube - replace these components if necessary.

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

Parts

Attachments										
<table border="1" style="width: 100%;"> <tr> <th>File</th> <th>Designation</th> </tr> <tr> <td>Bild zerquetschte Dichtung.jpg</td> <td>Possible cause for fault code entry 14A600 or 14A700</td> </tr> <tr> <td>Herausgezogene Manschette an der Reinluftleitung.jpg</td> <td>Possible cause for fault code entry 14A600 or 14A700</td> </tr> <tr> <td>verdr_ckte AGR Leitung IV.JPG</td> <td>Deformed EGR line in the inner tube</td> </tr> <tr> <td>verdr_ckte AGR Leitung V.JPG</td> <td>Deformed EGR line in the inner tube</td> </tr> </table>	File	Designation	Bild zerquetschte Dichtung.jpg	Possible cause for fault code entry 14A600 or 14A700	Herausgezogene Manschette an der Reinluftleitung.jpg	Possible cause for fault code entry 14A600 or 14A700	verdr_ckte AGR Leitung IV.JPG	Deformed EGR line in the inner tube	verdr_ckte AGR Leitung V.JPG	Deformed EGR line in the inner tube
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Validity						
<table border="1" style="width: 100%;"> <tr> <th>Vehicle</th> <th>Engine</th> <th>Transmission</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Vehicle	Engine	Transmission			
Vehicle	Engine	Transmission				

XENTRY

*	642.950	*
*	642.856	*
*	642.820	*
*	642.940	*
*	642.884	*
*	642.910	*
*	642.921	*
*	642.960	*
*	642.822	*
*	642.932	*
*	642.858	*
*	642.850	*
*	642.920	*
*	642.872	*
*	642.975	*
*	642.836	*
*	642.853	*
*	642.862	*
*	642.830	*
*	642.886	*
*	642.868	*
*	642.961	*
*	642.870	*
*	642.832	*
*	642.852	*
*	642.930	*
*	642.970	*

Full model designation breakdown

Vehicle	Engine	Transmission
164.120	642.940	722.902
164.121	642.820	722.902
164.122	642.940	722.902
164.124	642.820	722.902
164.125	642.820	722.902
164.822	642.940	722.902
164.823	642.822	722.903
164.824	642.820	722.902
164.825	642.820	722.902
203.020	642.910	716.653
203.020	642.910	722.902
203.220	642.910	716.653

XENTRY

203.220	642.910	722.902
204.022	642.960	711.670
204.022	642.960	722.902
204.025	642.830	711.670
204.025	642.830	722.902
204.089	642.961	722.962
204.092	642.832	722.962
204.222	642.960	711.670
204.222	642.960	722.902
204.225	642.830	711.670
204.225	642.830	722.902
204.289	642.961	722.962
204.292	642.832	722.962
204.983	642.961	722.962
204.992	642.832	722.962
207.322	642.836	722.902
207.422	642.836	722.902
209.320	642.910	716.653
209.320	642.910	722.902
209.420	642.910	716.653
209.420	642.910	722.902
211.020	642.920	716.646
211.020	642.920	716.653
211.020	642.920	722.902
211.022	642.920	722.902
211.024	642.920	722.902
211.084	642.921	722.689
211.089	642.921	722.689
211.220	642.920	716.646
211.220	642.920	716.653
211.220	642.920	722.902
211.222	642.920	722.902
211.284	642.921	722.689
211.289	642.921	722.689
211.620	642.920	722.902
212.020	642.850	722.902
212.021	642.852	711.670
212.021	642.852	722.903
212.021	642.852	725.011
212.023	642.852	711.670
212.023	642.852	722.903
212.023	642.852	725.011
212.024	642.850	711.670

XENTRY

212.024	642.850	722.902
212.024	642.850	725.011
212.025	642.850	711.670
212.025	642.850	722.902
212.025	642.850	725.011
212.025	642.856	711.670
212.025	642.856	722.902
212.025	642.856	725.011
212.026	642.852	711.670
212.026	642.852	722.903
212.026	642.852	725.011
212.027	642.852	711.670
212.027	642.852	722.903
212.027	642.852	725.011
212.089	642.856	722.962
212.093	642.858	722.966
212.093	642.858	725.021
212.094	642.852	722.966
212.094	642.852	725.021
212.094	642.858	722.966
212.094	642.858	725.021
212.220	642.850	722.902
212.221	642.852	711.670
212.221	642.852	722.903
212.221	642.852	725.011
212.223	642.852	711.670
212.223	642.852	722.903
212.223	642.852	725.011
212.224	642.850	711.670
212.224	642.850	722.902
212.224	642.850	725.011
212.225	642.850	711.670
212.225	642.850	722.902
212.225	642.850	725.011
212.226	642.852	711.670
212.226	642.852	722.903
212.226	642.852	725.011
212.227	642.852	711.670
212.227	642.852	722.903
212.227	642.852	725.011
212.289	642.856	722.962
212.293	642.858	722.966
212.293	642.858	725.021

XENTRY

212.294	642.852	722.966
212.294	642.852	725.021
212.294	642.858	722.966
212.294	642.858	725.021
218.323	642.852	722.903
218.323	642.852	725.011
218.323	642.853	722.903
218.323	642.853	725.011
218.326	642.852	722.903
218.326	642.852	725.011
218.393	642.858	722.966
218.394	642.858	722.966
218.394	642.858	725.041
218.923	642.852	722.903
218.923	642.852	725.011
218.923	642.853	722.903
218.923	642.853	725.011
218.993	642.858	722.966
219.322	642.920	722.902
221.022	642.930	722.902
221.026	642.862	722.903
221.080	642.932	722.962
221.083	642.868	722.966
221.122	642.930	722.902
221.126	642.862	722.903
221.180	642.932	722.962
221.183	642.868	722.966
251.020	642.950	722.902
251.021	642.872	722.903
251.022	642.950	722.902
251.023	642.872	722.903
251.026	642.950	722.902
251.122	642.950	722.902
251.123	642.872	722.903
251.124	642.870	722.902
251.125	642.870	722.902
251.126	642.950	722.902
461.304	642.975	722.637
461.304	642.975	722.638
461.305	642.884	722.638
461.305	642.975	722.638
461.333	642.884	722.638
461.333	642.975	722.638

XENTRY

461.334	642.975	722.637
461.334	642.975	722.638
461.340	642.884	722.638
461.340	642.975	722.638
461.343	642.884	722.638
461.343	642.975	722.638
461.344	642.975	722.637
461.344	642.975	722.638
461.346	642.975	722.637
461.346	642.975	722.638
461.371	642.884	722.638
461.371	642.975	722.638
461.391	642.884	722.638
461.391	642.975	722.638
461.392	642.884	722.638
461.392	642.975	722.638
463.303	642.970	722.902
463.306	642.886	722.902
463.306	642.970	722.902
463.336	642.886	722.902
463.340	642.970	722.902
463.341	642.970	722.902
463.346	642.886	722.902