Traction systems (ABS, ASR, ETS) and SPS diagnosis fault memory

MODEL 129 as of 1.9.95 except CODE (472a) Electronic Stability Program (ESP)
MODEL 140 as of 1.9.95 except CODE (472a) Electronic Stability Program (ESP)
MODEL 202 as of 1.9.95 except CODE (472a) Electronic Stability Program (ESP)
MODEL 170 except CODE (472a) Electronic Stability Program (ESP)
MODEL 208 except CODE (472a) Electronic Stability Program (ESP)
MODEL 210 with ENGINE 112, 113, 119, 602.982, 611, 104, 111, 604, 605, 606 as of 1.6.96 except CODE (472a) Electronic Stability Program (ESP)
MODEL 210.08 /28 except CODE (212a) Electronic traction support (ETS) except CODE (472a) Electronic Stability Program (ESP)

<table>
<thead>
<tr>
<th>Traction systems (ABS, ASR, ETS) and SPS diagnosis, advanced information</th>
<th>AD42.00-P-2000A</th>
</tr>
</thead>
<tbody>
<tr>
<td>The fault code cannot be read out with the pulse counter</td>
<td>AD42.00-P-2000A</td>
</tr>
<tr>
<td>Connect Hand-Held Tester (HHT) and read out fault memory</td>
<td>AD00.00-P-2003A</td>
</tr>
<tr>
<td>No test wiring harness should be connected while carrying out actuations with the HHT</td>
<td>AD00.00-P-2003A</td>
</tr>
<tr>
<td>Always read out the ABS, ASR or ETS fault memory before carrying out repair work. It is absolutely essential to also read out the HFM-SFI or ME-SFI and, if necessary, the EA fault memory on vehicles with ASR.</td>
<td></td>
</tr>
</tbody>
</table>

Ignition ON

Fault memory

<table>
<thead>
<tr>
<th>Fault code</th>
<th>Fault text</th>
<th>Possible cause/note</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fault</td>
<td>In the event of a complaint carry out testing electrical system of traction systems and SPS in full.</td>
<td>AD42.00-P-6000A</td>
<td></td>
</tr>
<tr>
<td>C 1000</td>
<td>Traction system control module (N47)</td>
<td>N47</td>
<td></td>
</tr>
<tr>
<td>C 10 10</td>
<td>Battery undervoltage, terminal 87</td>
<td>§3.4.(AD42.00-P-6000-01A)</td>
<td></td>
</tr>
<tr>
<td>C 10 11</td>
<td>Solenoid valve voltage supply, open-circuit/short-circuit (A7/3)</td>
<td>§3.5.(AD42.00-P-6000-05A) &amp; 3.5.(AD42.00-P-6000-02A)</td>
<td></td>
</tr>
<tr>
<td>C 10 12</td>
<td>Battery overvoltage, terminal 87</td>
<td>§3.6.(AD42.00-P-6000-01A)</td>
<td></td>
</tr>
<tr>
<td>C 1020</td>
<td>CAN communication generally faulty</td>
<td>Cable</td>
<td></td>
</tr>
<tr>
<td>C 1021</td>
<td>CAN communication with EA control module (N4/1) faulty</td>
<td>Read out EA fault memory, Engine</td>
<td></td>
</tr>
<tr>
<td>C 1022</td>
<td>CAN communication with engine control module (ME-SFI) (N3/10) faulty</td>
<td>Read out ME-SFI fault memory, Engine</td>
<td></td>
</tr>
<tr>
<td>C 1024</td>
<td>CAN communication with transmission control module (N15/3) faulty</td>
<td>Read out ETC fault memory, DM Chassis</td>
<td></td>
</tr>
<tr>
<td>C 1100</td>
<td>Left front axle VSS sensor (L6/1), open-circuit Left front axle VSS sensor (L6/1), loose contact Left front axle VSS sensor (L6/1), plausibility</td>
<td>Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels</td>
<td></td>
</tr>
<tr>
<td>C 1101</td>
<td>Right front axle VSS sensor (L6/2), open-circuit Right front axle VSS sensor (L6/2), loose contact Right front axle VSS sensor (L6/2), plausibility</td>
<td>Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels</td>
<td></td>
</tr>
</tbody>
</table>
| Page 2 of 3 | © Daimler AG, 6/23/16, G/11/12, ad42.00-p-4000a, Traction systems (ABS, ASR, ETS) and SPS diagnosis fault memory | MODEL 129 as of 1.9.95 except CODE (472a) Electronic Stability Program (ESP) MODEL 140 as of 1.9.95 except CODE (472a) Electronic Stability Program (ESP) MODEL 202 as of 1.9.95 except ...

| 1102 | **ETS/ASR:**
| | Left rear axle VSS sensor (L6/3), open-circuit
| | Left rear axle VSS sensor (L6/3), loose contact
| | Left rear axle VSS sensor (L6/3), plausibility
| | **ABS:**
| | Rear axle VSS sensor (L6), open-circuit
| | Rear axle VSS sensor (L6), loose contact
| | Rear axle VSS sensor (L6), plausibility
| | Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.
| | &.3.9. (AD42.00-P-6000-16A)

| 1103 | Right rear axle VSS sensor (L6/4), open-circuit
| | Right rear axle VSS sensor (L6/4), loose contact
| | Right rear axle VSS sensor (L6/4), plausibility
| | Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.
| | &.3.10. (AD42.00-P-6000-19A)

| 1104 | Left front axle VSS sensor (L6/1), plausibility
| | Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.
| | &.3.11. (AD42.00-P-6000-11A)

| 1105 | Right front axle VSS sensor (L6/2), plausibility
| | Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.
| | &.3.12. (AD42.00-P-6000-13A)

| 1106 | **ETS/ASR:**
| | Left rear axle VSS sensor (L6/3), plausibility
| | **ABS:**
| | Rear axle VSS sensor (L6), plausibility
| | Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.
| | &.3.13. (AD42.00-P-6000-16A)

| 1107 | Right rear axle VSS sensor (L6/4), plausibility
| | Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.
| | &.3.14. (AD42.00-P-6000-19A)

| 1142 | Lateral acceleration sensor (B24/2), open-circuit/short-circuit
| | &.3.15. (AD42.00-P-6000-08A)

| 1143 | Lateral acceleration sensor (B24/2), plausibility
| | &.3.16. (AD42.00-P-6000-08A)

| 1200 | Stop lamp switch (S9/1), open-circuit/short-circuit
| | Stop lamp switch (S9/1), plausibility
| | Cable S9/1

| 1300 | Left front axle solenoid valve (hold) (A7/3y6), open-circuit/short-circuit
| | &.3.17. (AD42.00-P-6000-21A)

| 1301 | Left front axle solenoid valve (release) (A7/3y7), open-circuit/short-circuit
| | &.3.18. (AD42.00-P-6000-21B)

| 1302 | Right front axle solenoid valve (hold) (A7/3y8), open-circuit/short-circuit
| | &.3.19. (AD42.00-P-6000-22A)

| 1303 | Right front axle solenoid valve (release) (A7/3y9), open-circuit/short-circuit
| | &.3.20. (AD42.00-P-6000-22B)

| 1304 | Left rear axle solenoid valve (hold) (A7/3y10), open-circuit/short-circuit
| | &.3.21. (AD42.00-P-6000-23A)
| | &.3.21. (AD42.00-P-6000-24A)

| 1305 | Left rear axle solenoid valve (release) (A7/3y11), open-circuit/short-circuit
| | &.3.22. (AD42.00-P-6000-23B)
| | &.3.22. (AD42.00-P-6000-24B)

| 1306 | Right rear axle solenoid valve (hold) (A7/3y12), open-circuit/short-circuit
| | &.3.23. (AD42.00-P-6000-25A)

| 1307 | Right rear axle solenoid valve (release) (A7/3y13), open-circuit/short-circuit
| | &.3.24. (AD42.00-P-6000-25B)

| 1311 | Rear axle switchover/solenoid valve (A7/3y5), open-circuit/short-circuit
| | &.3.25. (AD42.00-P-6000-26A)

| 1312 | Master brake cylinder switchover valve (Y61)
| | &.3.26. (AD42.00-P-6000-09A)

| 1313 | Solenoid valve relay
| | Control module (N47)

| 1314 | Solenoid valve voltage supply (A7/3)
| | &.3.27. (AD42.00-P-6000-05A)
| | &.3.27. (AD42.00-P-6000-02A)

| 1315 | Inlet solenoid valve (A7/3y15)
| | &.3.28. (AD42.00-P-6000-27A)

| 1401 | High-pressure/return pump (A7/3m1), open-circuit/short-circuit
| | High-pressure/return pump (A7/3m1), does not switch off
| | &.3.29. (AD42.00-P-6000-06A)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 1500</td>
<td>Speed sensor plausibility</td>
<td>Rotor with incorrect number of teeth, dirty or damaged, incorrect rear axle ratio, tires or wheels.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AD42.00-P-6000-11A AD42.00-P-6000-13A AD42.00-P-6000-15A AD42.00-P-6000-16A AD42.00-P-6000-19A</td>
</tr>
<tr>
<td>C 1501</td>
<td>SPS P-valve (Y10)</td>
<td>AD42.00-P-6000-07A</td>
</tr>
<tr>
<td>C 1511</td>
<td>ETS/SPS control module (N47-2) not coded</td>
<td>Control module (N47-2)</td>
</tr>
<tr>
<td>C 1512</td>
<td>Overheating brake</td>
<td>Brake was overloaded temporarily, erase fault</td>
</tr>
<tr>
<td>C 1513</td>
<td>Coding ASR control module (N47-1) or ME-SFI incorrect (N3/10)</td>
<td>Control module (N47-1) Control module (N3/10)</td>
</tr>
<tr>
<td>C 1514</td>
<td>SPS P-valve (Y10) Reference data</td>
<td>AD42.00-P-6000-07A Control module (N47)</td>
</tr>
<tr>
<td>C 1515</td>
<td>Coding SPS</td>
<td>Control module (N47)</td>
</tr>
<tr>
<td>C 1600</td>
<td>Temperature shut-off delay</td>
<td>Control module (N47)</td>
</tr>
</tbody>
</table>