



**Official**

## **Carly Diagnostics Report**

**X5 (F15), Build Year 2015**

with vehicle identification number

**0N09933**

categorized as Small class was diagnosed with Carly on

**Aug 25 2018**

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**Carly found 33 control units.**

**18 fault codes were detected.**

**74 info memory entries were found.**

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## Motor Control

<b>Engine / Motor</b> <b>Fault Code:</b> 2A6C00 <b>Fault Explanation:</b> Smoothness controller cylinder 2: Correction amount outside the allowable range <b>Fault Code:</b> 288F00 <b>Fault Explanation:</b> Power Management (Layer AEPVERBRED): Consumer reduction	<b>X</b>
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## ABS / DSC / Brake

<b>Central Gateway / zentrales Gateway</b> <b>Fault Code:</b> 801C15 <b>Fault Explanation:</b> :Faulty asleep at 30B	<b>X</b>
<b>Dynamische Stabilitäts Control / DSC</b> ECU OK, no Fault Code	✓
<b>Hand brake / Feststellbremse (EMF)</b> ECU OK, no Fault Code	✓



## Airbag

### Crash safety / Airbag

ECU OK, no Fault Code



## Transmission Control

### Getriebesteuerung /Transmission

**Fault Code:** CF3102

**Fault Explanation:** :Interface GWS (FA-CAN) (OP GWS REL / OP GWS, 0x197): Signal invalid / Interface GWS: (A-CAN) (OP GWS REL / OP GWS, 0x197): Signal invalid / Interface GWS: (OP GWS REL / OP GWS, 0x197) signal invalid (FA-CAN) / GWS interface (FA CAN) (Operation gear selector lever relative / Steering gear selector, 0x197) signal

(A-CAN)

**Fault Code:** CF3101

**Fault Explanation:** :GWS interface: (A-CAN) (Operation gear selector lever relative / Steering gear selector, 0x197) signal invalid / Signal (status gear selector switch, 0x197, LP-CAN) invalid operation gear selector switch, EGS receiver, transmitter GWS / GWS interface (A-CAN) (OP GWS REL / OP GWS, 0x197): Signal invalid / Interface GWS: (FA-CAN) (OP GWS REL / OP GWS, 0x197): Signal invalid / Interface GWS: (OP GWS REL / OP GWS, 0x197) signal invalid (FA-CAN) / Interface GWS: (OP GWS REL / OP GWS, 0x197): invalid signal, (A-CAN)



### Gear switch / Gangschalter

ECU OK, no Fault Code





## Instrumentation

<b>Instrument cluster / Kombiinstrument</b> ECU OK, no Fault Code	✓
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## Heating / AC

<b>Air conditioning / Klimaanlage</b> <b>Fault Code:</b> 80119D <b>Fault Explanation:</b> :Motor-lamination front left: Blocking / Motor-lamination front: Blocking / Motor-lamination front left or layering forward: blocking <b>Fault Code:</b> 801228 <b>Fault Explanation:</b> :Power Management: Reducing fan horsepower / IHKA control panel: Internal error	X
<b>Air conditioning / Klimaanlage</b> ECU OK, no Fault Code	✓



## Immobilizer System

### CAS

**Fault Code:** 804033

**Fault Explanation:** :ZSG-protect: wakeable inputs are blocked /  
Game Protection: wakeable inputs are blocked

**Fault Code:** 804080

**Fault Explanation:** :Ignition model: Startfaehigkeit endangered

**Fault Code:** 8040B9

**Fault Explanation:** :Deaktivering terminal 30B: achieved OSFG

**Fault Code:** 8040BB

**Fault Explanation:** :KI30B active. Startfaehigkeitsgrenze reached or  
KI 30B long time actively

**Fault Code:** 8040BD

**Fault Explanation:** :Terminal 30F reset or shutdown

**Fault Code:** 8041B2

**Fault Explanation:** :Light active: Startfaehigkeitsgrenze reached

**Fault Code:** 8044D7

**Fault Explanation:** :Interior light layering LIN: Number Layering  
slaves incorrect / Interior light layering FI-LIN 1: Number Layering  
slaves incorrect

**Fault Code:** D90C1B

**Fault Explanation:** :LIN Master J: Short / LIN Master J: Short circuit to  
ground

X



## Sunroof / Roof

<b>Roof / Dach Funktionen</b> <b>Fault Code:</b> 801A55 <b>Fault Explanation:</b> :Disconnection of loads due to overtemperature / Car alarm: Alarm - details in the alarm memory <b>Fault Code:</b> 801A56 <b>Fault Explanation:</b> :Car alarm: panic alarm - Details in panic memory / Temperature sensor 1 defective	<b>X</b>
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## Audio / Navigation / Communication

<b>Top_Rear_Side_View_Kamera</b> ECU OK, no Fault Code	<b>✓</b>
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## Seats

<b>Driver seat /Sitz Fahrer Heck</b> <b>Fault Code:</b> 802A1E <b>Fault Explanation:</b> :No seat adjustment due to engine start condition	<b>X</b>
<b>Seat passenger/ Beifahrer Sitz</b> ECU OK, no Fault Code	<b>✓</b>



## Systems

<b>Fuel pump / Kraftstoffpumpe</b> ECU OK, no Fault Code	✓
<b>Central Control / Zentrale Bedieneinheit</b> ECU OK, no Fault Code	✓
<b>Driver assistant / Fahrerassistent</b> ECU OK, no Fault Code	✓



## Body

<b>Integrated Chassis Module / Längs+Querdynamik</b> ECU OK, no Fault Code	✓
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## Other

<b>HeadingControl (Spurwechselwarnung)</b> ECU OK, no Fault Code	✓
<b>Selective Catalytic Reduction</b> ECU OK, no Fault Code	✓
<b>Bordcomputer BC4 E32 / E34</b> ECU OK, no Fault Code	✓

<b>Automatik-Getriebesteuergeraet FPO ATCU</b>	✓
ECU OK, no Fault Code	
<b>Parkmanöver-Assistent</b>	✓
ECU OK, no Fault Code	
<b>Check-Control Modul E38</b>	✓
ECU OK, no Fault Code	
<b>Speech recognition / Spracherkennungs-system</b>	✓
ECU OK, no Fault Code	
<b>Hifi Amplifier / Verstaerker</b>	✓
ECU OK, no Fault Code	
<b>MRDWA</b>	✓
ECU OK, no Fault Code	
<b>Chassis Integration CIM</b>	✓
ECU OK, no Fault Code	
<b>Frontlichtelektronik links</b>	✓
ECU OK, no Fault Code	
<b>Elektronische Fahrzeug-Immobilisierung</b>	✓
ECU OK, no Fault Code	
<b>Advanced Telematic Module</b>	✓
ECU OK, no Fault Code	
<b>Basis Infotainment System (Radio UKL NF)</b>	✓
ECU OK, no Fault Code	

# Info Memory

These faults are saved in the Info-Section. They are no standard vehicle-faults, but sort of a warning notification. Info memory faults are not as critical as normal faults in general, but should be attended to as well.



## Motor Control

### Engine / Motor

**Code:** INFO 245600

**Explanation:** Particulate filter system: load regeneration was activated

**Code:** INFO 280F00

**Explanation:** The NOx sensor according DeNOx catalytic converter, signal NOx: NOx signal too long invalid

**Code:** INFO 254C00

**Explanation:** Info - Security Case: accelerator and brake simultaneously active

**Code:** INFO 2A6C00

**Explanation:** Smoothness controller cylinder 2: Correction amount outside the allowable range

**Code:** INFO 277F00

**Explanation:** DDE control unit internally (Recovery suppressed): Recovery occurred

**Code:** INFO 24BF00

**Explanation:** Zero quantity adaptation Injector cylinder 2: Permissible filtered control duration too high

**Code:** INFO 24C000

**Explanation:** Zero quantity adaptation injector cylinder 4: Permissible filtered control duration too high

**Code:** INFO 2AD200

**Explanation:** CC message (ID 229): Charging the battery

i



## Transmission Control

<p><b>Getriebesteuerung /Transmission</b></p> <p><b>Code:</b> INFO 420801 <b>Explanation:</b> E circuit: Info counter for automatic insertion of P when the vehicle is leaving</p> <p><b>Code:</b> INFO 421732 <b>Explanation:</b> E circuit: Info counter for N-holding phase</p> <p><b>Code:</b> INFO 421892 <b>Explanation:</b> Engine intervention: deviation of the intensity</p> <p><b>Code:</b> INFO 420822 <b>Explanation:</b> E circuit: Info counter for Gurtdummy</p>	<b>i</b>
<p><b>Gear switch / Gangschalter</b></p> <p><b>Code:</b> INFO 5E001D <b>Explanation:</b> CANNM_E_CANIF_TRANSMIT_ERROR</p> <p><b>Code:</b> INFO 5E0028 <b>Explanation:</b> CANNM_E_NETWORK_TIMEOUT</p> <p><b>Code:</b> INFO 5E0014 <b>Explanation:</b> COMM_E_START_Tx_TIMEOUT_C0</p> <p><b>Code:</b> INFO 5E001C <b>Explanation:</b> COMM_E_NET_START_IND_CHANNEL_1</p>	<b>i</b>



## Instrumentation

<p><b>Instrument cluster / Kombiinstrument</b></p> <p><b>Code:</b> INFO 93000A</p> <p><b>Explanation:</b> Function Block (method): signs of life does not come on time</p> <p><b>Code:</b> INFO 93003F</p> <p><b>Explanation:</b> Sender node: Error in function addressed</p>	<b>i</b>
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## Heating / AC

<p><b>Air conditioning / Klimaanlage</b></p> <p><b>Code:</b> INFO 780022</p> <p><b>Explanation:</b> NVM_E_INTEGRITY_FAILED</p> <p><b>Code:</b> INFO 780024</p> <p><b>Explanation:</b> CANIF_E_STOPPED</p> <p><b>Code:</b> INFO 780034</p> <p><b>Explanation:</b> message (vehicle condition 0x3A0) is missing</p> <p><b>Code:</b> INFO 78003E</p> <p><b>Explanation:</b> IPDUM_E_TRANSMIT_FAILED</p> <p><b>Code:</b> INFO 78005D</p> <p><b>Explanation:</b> LINIF_E_RESPONSE</p>	<b>i</b>
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**Air conditioning / Klimaanlage****Code:** INFO 790065**Explanation:** Control device: System Reset**Code:** INFO 790066**Explanation:** Controller: HW System Reset



## **Immobilizer System**

## CAS

**Code:** INFO 400031

**Explanation:** Electronic pressure control valve 4 short circuit to ground

**Code:** INFO 4002FF

**Explanation:** Too frequent writing on the same EEPROM block

**Code:** INFO 804029

**Explanation:** SEK battery undervoltage

**Code:** INFO 80402C

**Explanation:** Error F15 driver

**Code:** INFO 8040BC

**Explanation:** IBS Wakeup: reveille implausible

**Code:** INFO 8040BE

**Explanation:** secure motor pool at ZV

**Code:** INFO 8040C8

**Explanation:** Intelligent Battery Sensor (IBS): Upper starting capability limit is reached

**Code:** INFO 8041A8

**Explanation:** Welcome light-repeat active

**Code:** INFO 93070C

**Explanation:** Error could not be sent on the maximum number of attempts

**Code:** INFO 93071F

**Explanation:** Buffer for outgoing error messages is full

**Code:** INFO D94300

**Explanation:** Electric steering column lock (ELV): ELV master - recognized Invalid bus signals

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## Sunroof / Roof

<b>Roof / Dach Funktionen</b> <b>Code:</b> INFO 801A0E <b>Explanation:</b> NVM_E_INTEGRITY_FAILED <b>Code:</b> INFO 801A20 <b>Explanation:</b> CAN_E_TIMEOUT <b>Code:</b> INFO 801A1C <b>Explanation:</b> LINIF_E_RESPONSE	<b>i</b>
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## Audio / Navigation / Communication

<b>Top_Rear_Side_View_Kamera</b> <b>Code:</b> INFO 800BD0 <b>Explanation:</b> Internal software error	<b>i</b>
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## Systems

<b>Driver assistant / Fahrerassistent</b> <b>Code:</b> INFO 5D0036 <b>Explanation:</b> COM_RX_LIMITED <b>Code:</b> INFO 5D0037 <b>Explanation:</b> EyeQ2 reset (triggered by watchdog)	<b>i</b>
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## Body

<b>Integrated Chassis Module / Längs+Querdyamik</b> <b>Code:</b> INFO 480115 <b>Explanation:</b> Driving dynamics switch - forced activation DSC <b>Code:</b> INFO 030850 <b>Explanation:</b> FAS - bull - triggered braking level 1 <b>Code:</b> INFO 03081F <b>Explanation:</b> FAS - bull - triggered acute warning <b>Code:</b> INFO 4827B3 <b>Explanation:</b> Controller internal - Under Voltage at terminal 30	<b>i</b>
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