



ContiPressureCheck™

Advices How to Handle ERROR-Messages on Display

Ver. 1.3

21. January 2015

SYSTEM ERROR 1001, 1002, 1004 and 1005

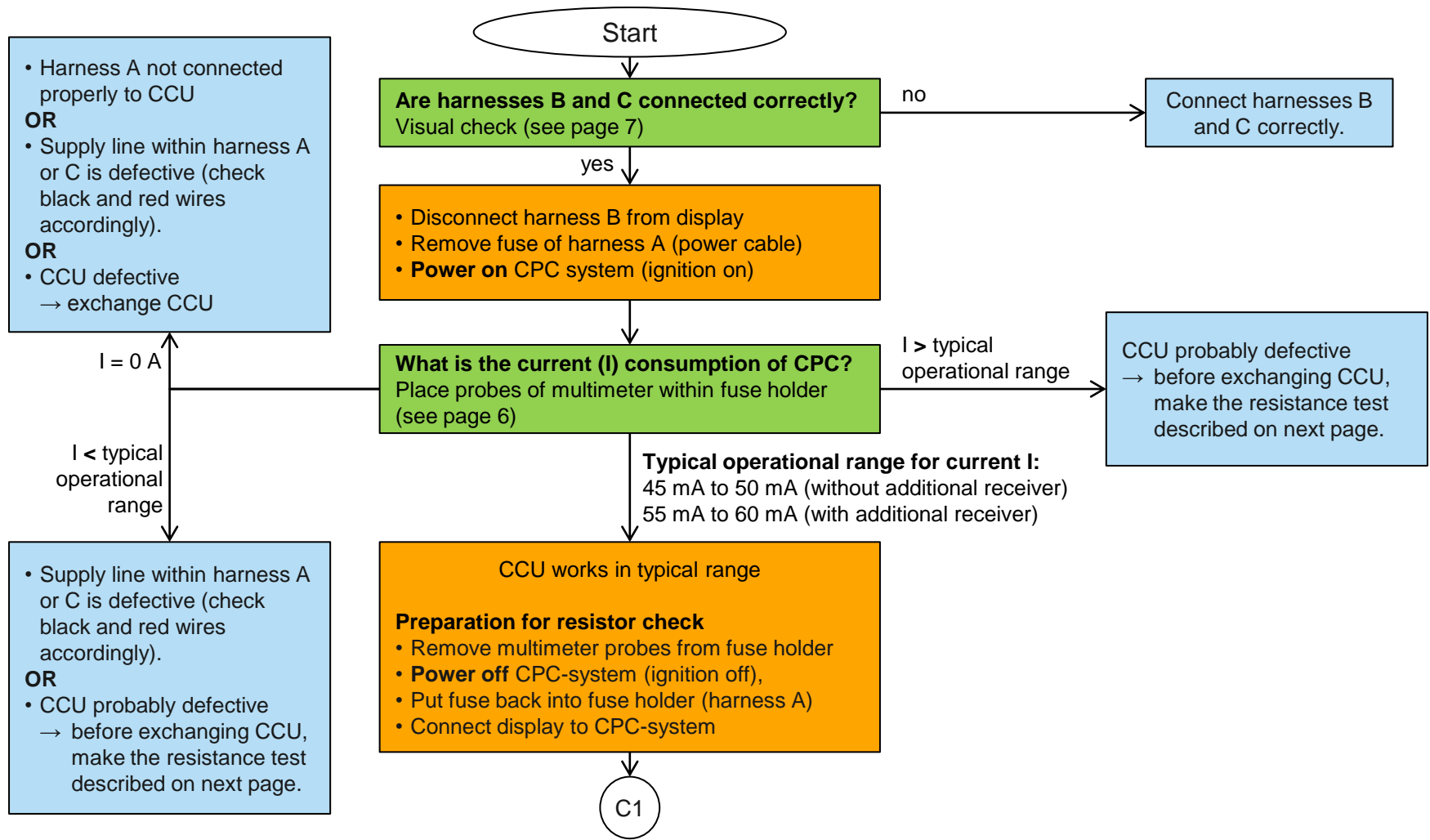
Error number	Potential root cause	Solutions
1001	Power supply to CCU not sufficient or CAN-communication isn't working	See advices beginning at page 4
1002	CCU has reduced CAN (not all CAN messages are available). Potential root cause: CCU was power at least 2 times for at least 72 minutes without receiving any TTMs.	Ignore error message; configure CPC system.
1004	µ controller defective or ROM / ROM / EEPROM failure	Exchange CCU
1005	1) TTMs are not activated. 2) There are no TTMs mounted in tires. 3) System is not configured.	1) Activate TTMs. Make test drive. If error message remains, execute "New installation" or "Modify Sensor IDs". 2) Check if TTMs mounted in the tires. Ensure that there are TTMs in tires, then execute "New installation" or "Modify Sensor IDs". 3) Execute "New installation".

Further ERROR-Messages

Error number	Potential root cause	Solutions
DISPLAY ERROR 1006	μ controller or memory of display is defective.	Exchange display.
SYSTEM NOT ACTIVE	CPC is deactivated.	Activate CPC-system using HHT.
SYSTEM NOT CONFIGURED	System is not configured, yet.	Execute "New installation".

SYSTEM ERROR 1001 (No CAN Communication)

Test Strategy (Part 1) - Check of Supply Line

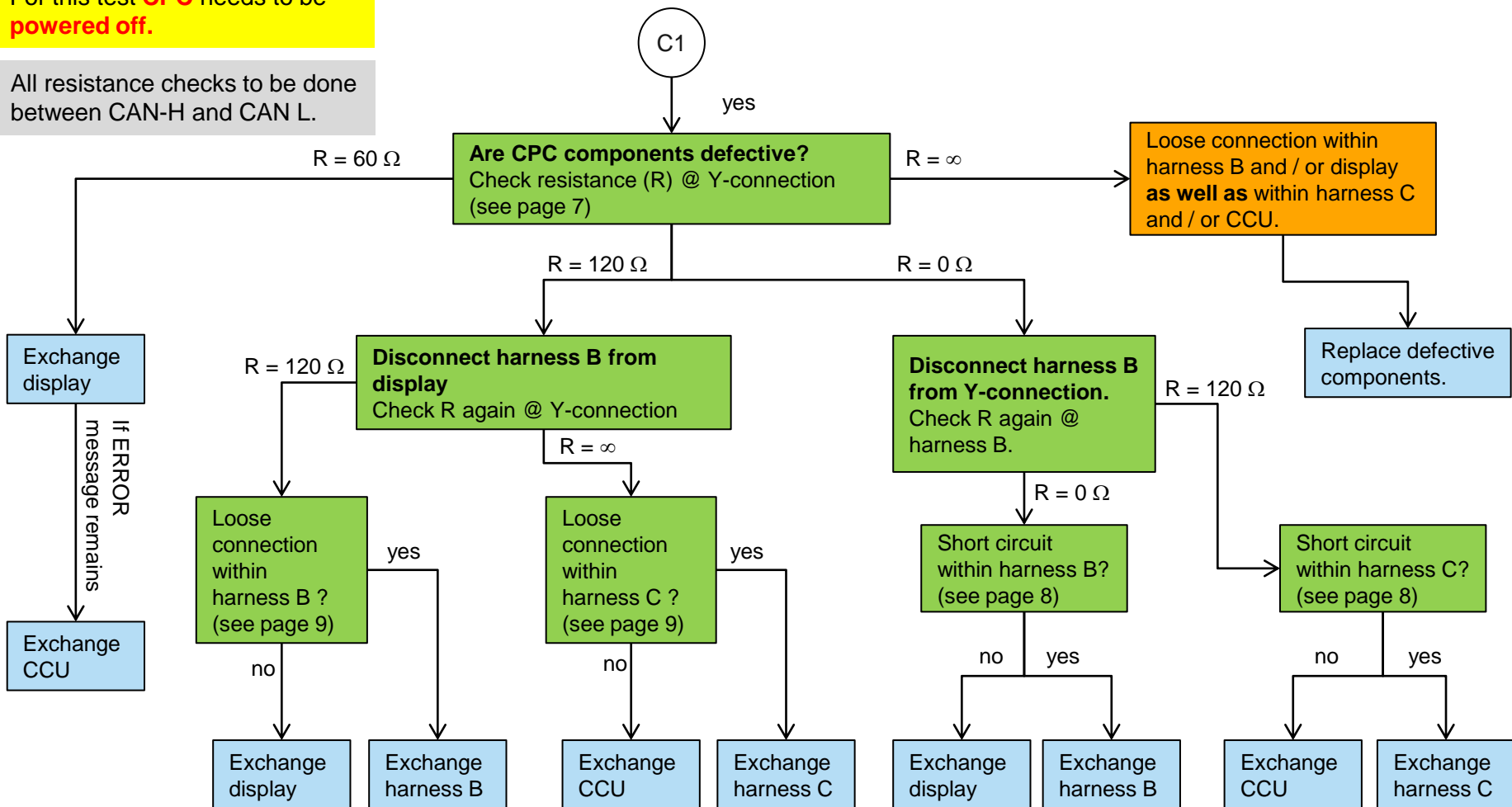


SYSTEM ERROR 1001 (No CAN Communication)

Test Strategy (Part 2) - Check of CAN-Line

For this test **CPC** needs to be **powered off**.

All resistance checks to be done between CAN-H and CAN L.



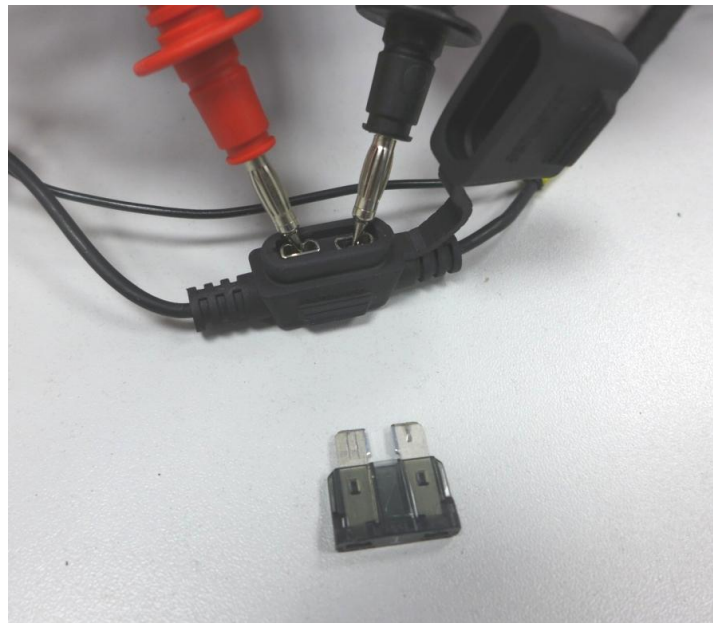
SYSTEM ERROR 1001

Description of Single Tests (I @ Fuse Holder of Harness A)

Example of a multimeter



Measurement of current I at fuse holder (fuse is removed for this test)



If supply line within harness C needs to be checked:

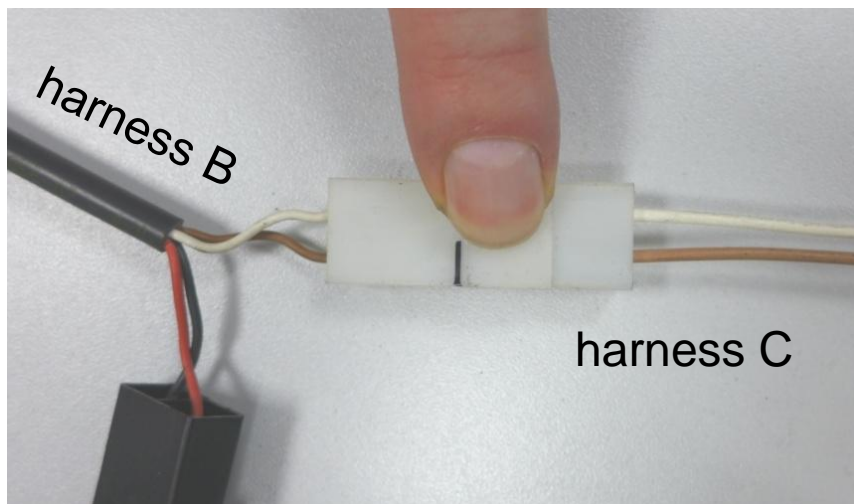
Pinning of CCU connector @ harness C:
3: CAN H; 7: CAN-L; 4: GND; 1: IGN

SYSTEM ERROR 1001

Description of Single Tests (R @ Y-Connection)

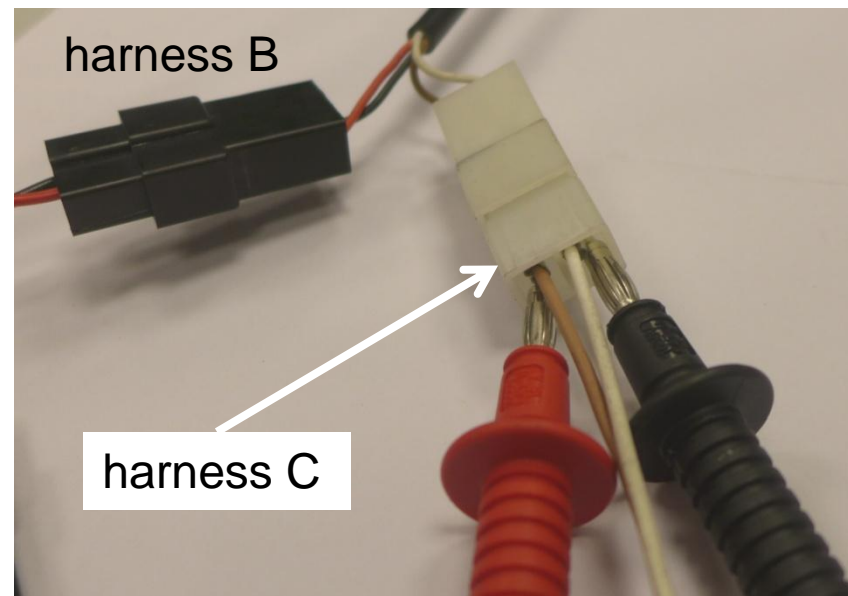
Are harnesses B and C connected correctly?

Check if brown wire of harness B is connected with brown wire of harness C (CAN-L). Same for white wire (CAN-H).



Are CPC components defective?

Check resistance @ Y-connection



Check resistance with multimeter on these pins.
Range: 200 Ω
All CPC components need to be connected for this test.
CPC must be powered off!

SYSTEM ERROR 1001

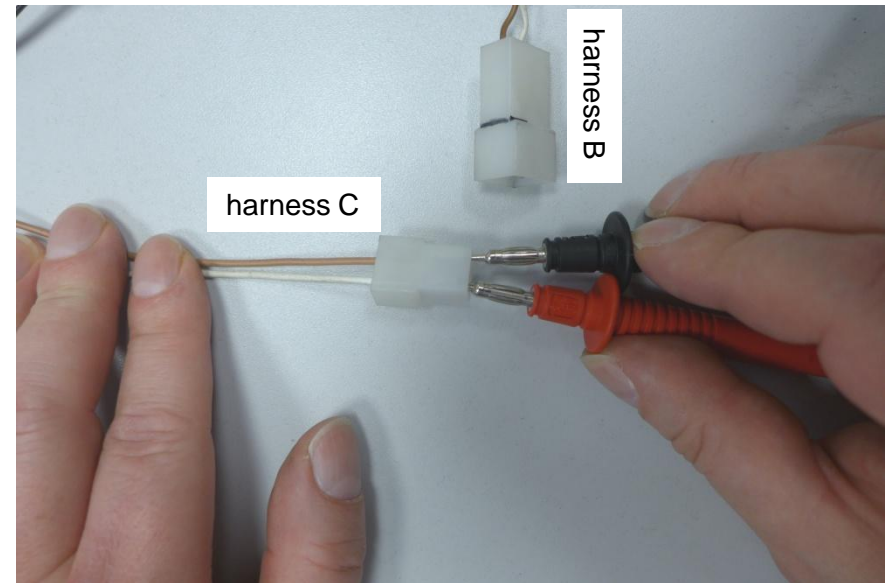
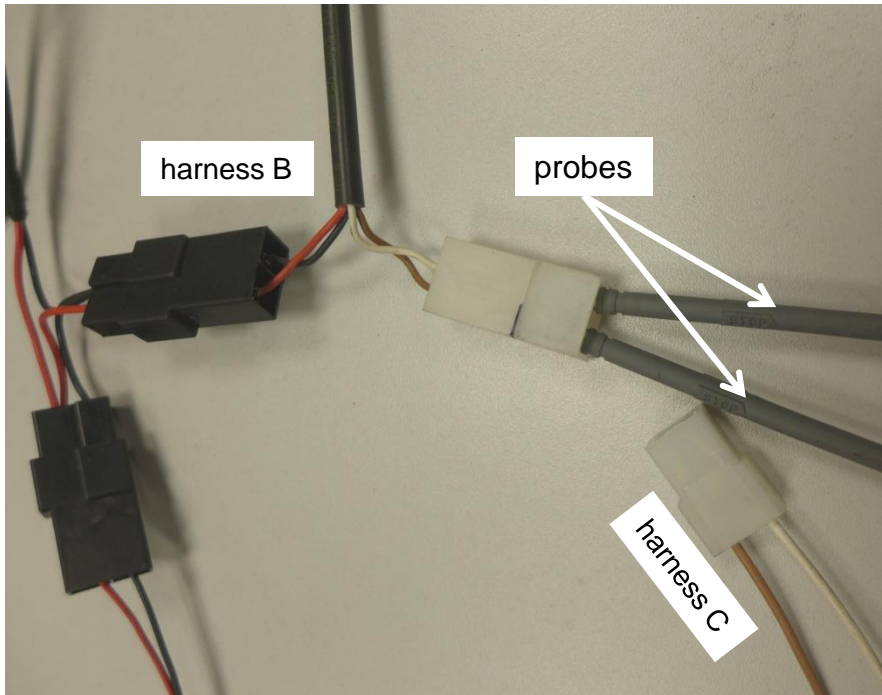
Description of Single Tests (Short Circuit)

Short circuit within harness B or C?

Disconnect display, CCU and white connector between harnesses B and C.

Check resistance between white and brown wires on both opened white connectors.

- $R = 0 \Omega$ short circuit within cable
- $R = \infty$ **no** short circuit within cable



SYSTEM ERROR 1001

Description of Single Tests (Loose Connection)

Loose connection within harness B or C?

- Disconnect display, CCU and white connector between harnesses B and C.
- Connect CAN-H and CAN-L pins with a wire (or an other appropriate device) on the display or the CCU connector.
- Pinning of display connector @ harness B:
4: CAN H; 5: CAN-L; 6: GND; 10: IGN
- Pinning of CCU connector @ harness C:
3: CAN H; 7: CAN-L; 4: GND; 1: IGN

Check resistance between white and brown wires on both opened white connectors (as shown on page 8).

- $R = 0 \Omega$ **no** loose connection within cable
- $R = \infty$ loose connection within cable

