



Vår handläggare/Attending to this matter
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SE5000-8 used with Kitas 4.0: "x35" – Motion Sensor Error

Background:

This information relates to a recording equipment system consisting of Stoneridge SE5000-8 "Rev A" *Connekt* and Continental Kitas 4.0 motion sensor, hereafter referred to as the system. For the cases defined below the system generates the code "x35", motion sensor error, which is stored in the tachograph. Kitas 4.0 requires additional messages on top of the ISO 16844-3 standard for motion sensors. SE5000-8 fulfills the ISO standard and the specification for the additional messages.

Cases of "x35":

Case 1 – "x35" Vehicle Residential State

In occasions when the vehicle is not moving and the recording equipment is in hibernation, the system could experience an intermittent communication issue. The following 3 evidences must be available to identify this specific "x35":

1. Vehicle was not moving.
2. Events and Faults Print-out: Duration of the "x35" fault is maximum 00h 02 min.
Typical example A: "x35" duration is 1 minute, no driver card in the unit

```
xfl (00) 18/08/2019 01:35
x35 00h01
---
```

Typical example B: "x35" duration is 0 minutes, driver card in the unit

```
xfl (00) 19/08/2019 22:45
x35 00h00
eS / 0 0 0 0 1 2 3 0
---
```

3. Power Supply Interruption: No power supply interruption ending immediately before this "x35" error.

Functionality and integrity of the system is not affected if there is evidence for the "x35" as per point 1), 2) and 3) above. Consequently, this means:

- No wrong act of the driver.
- No data loss or data integrity issues.

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Case 2 – Power Supply Interruption

If the system is subject to a power interruption the SE5000-8 will register a power supply interruption, “!08”. When power is restored and “!08” is deactivated the communication from Kitas 4.0 may stop for “x” minutes, typically 2 minutes. The duration is dependent on the functionality of the Kitas 4.0. “x35” will be set and stored in the tachograph accordingly.

Typical Example: “!08” duration is 35 minutes, no driver card in the unit

```
-----!d-----
!+ (01) 17/08/2019 22:55
!08                      00h35
d---
-----xd-----
xj (00) 17/08/2019 23:30
x35                      00h02
d---
```

Shall be investigated in accordance to normal procedures for power supply interruption.

Other Cases

The system may also trigger “x35” following issues with the sensor, tachograph or cable. This is equal behavior with 1B systems and investigation shall be carried out as per normal procedure.

Please do not hesitate to contact your Stoneridge representative in case of questions.



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