

13. Appendix: Events and Faults

Which of the data records in the event or error block indicates which error code?

0 ... 0E General events

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
00	No other information		--		
01	Card not valid	Slot 1	!01 card not valid 48	48	No printout!
		Slot 2	!02 card not valid 66	66	
02	Card conflict		!00 cards conflict 29	29	<pre> ----- !00 0 21.11.2009 13:32 (0) 00h02 T00 / 0 0 0 2 0 0 e00 / 0 0 0 0 0 ----- </pre>
03	Time overlap	Card into slot 1	!001 time overlap 45	45	<pre> ----- !00 4 21.11.2009 13:32 (0) 00h02 e00FIN/500000000005390 0 0 ----- </pre>
		Card into slot 2	!002 time overlap 63	63	
04	Driving without card		!e0 driving without card 28	28	<pre> ----- !e0 2 21.10.2009 06:32 (0) 00h02 e--- ----- </pre>

VDO Manipulation Key Error Codes - Cross Reference List

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
05	Insertion while driving	Card into slot 1	!Ⓜe1 insertion while drivins 46	46	<pre> ----- !Ⓜe 4 21.11.2009 13:32 (0) 00h02 eⓂFIN/5000000000005390 0 0 ----- </pre>
		Card into slot 2	!Ⓜe2 insertion while drivins 64	64	
06	Card not closed	Card into slot 1	!ⓂA1 card not closed 44	44	<pre> ----- !ⓂA 4 21.11.2009 13:32 (0) 00h02 eⓂFIN/5000000000005390 0 0 ----- </pre>
		Card into slot 2	!ⓂA2 card not closed 62	62	
07	Overspeed		>> overspeed 30	30	<pre> ----- >> 4 21.11.2009 13:32 (0) 00h02 eⓂFIN/5000000000005390 0 0 ----- </pre>
08	Power interruption	Power interruption KITAS2	!‡ power interruption 19	19	<pre> ----- !‡ 2 21.10.2009 06:32 (0) 00h40 Ⓜ--- ----- </pre>
		Power interruption DTCO	!‡ power interruption 31	31	
09	Sensor fault		xⓂ sensor fault 20	20	<pre> ----- !Ⓜ 1 21.10.2009 06:32 (0) 00h02 TⓂD / 0 0 0 2 0 0 ----- </pre>
			xⓂ sensor fault 21	21	
			xⓂ sensor fault 22	22	

VDO Manipulation Key Error Codes - Cross Reference List

Implementation EG/1266/2009 for 01.10.2012

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
0A	Vehicle motion evaluation conflict between the sensor and an external signal source		!AA motion conflict 80	80	<pre> ----- !AA 1 21.10.2012 06:32 (0) 00h02 TAD / 0 0 0 2 0 0 ----- </pre>
0B ... 0F	RFU (reserved for future)				

10 ... 1F Security breach attempt vehicle unit

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
10	No other information				
11	Error when authenticating the motion sensor when it is operating or error in the pairing procedure		!A security breach 23	23	<pre> ----- !A 05.06.2006 08:03 ! 11 00h15 A D /VS-SV 123 ----- </pre>
12	Security breach when authenticating a tachograph control card in slot	Card into slot 1	!A1 security breach 47	47	<pre> ----- !A 05.06.2006 08:03 ! 12 00h15 A D /VS-SV 123 ----- </pre>
		Card into slot 2	!A2 security breach 65	65	

VDO Manipulation Key Error Codes - Cross Reference List

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
13	Unauthorized modification KITAS sensor		!A security breach 24	24	----- !A 05.06.2006 08:03 ! 13 00h15 A D /VS-SW 123 -----
14	The authenticity of the data on the card in slot is not guaranteed.	Card into slot 1	!A1 security breach 42	42	----- !A 05.06.2006 08:03 ! 14 00h15 A D /VS-SW 123 -----
		Card into slot 2	!A2 security breach 60	60	
15	Data memory error. Because of a DTCO 1381 data memory error data security is no longer guaranteed.		!A security breach 25	25	----- !A 05.06.2006 08:03 ! 15 00h15 A D /VS-SW 123 -----
16	Internal data transfer error				
17	The DTCO 1381 housing has been opened or is open.		!A security breach 26	26	----- !A 05.06.2006 08:03 ! 17 00h15 A D /VS-SW 123 -----
18	Hardware manipulation	Possible attack on Secure Controller		07	----- !A 05.06.2006 08:03 ! 18 00h15 A D /VS-SW 123 -----
		Card into slot 1	!A1 security breach 43	43	
		Card into slot 2	!A2 security breach 61	61	
19 ... 1F	RFU				

VDO Manipulation Key Error Codes - Cross Reference List

20 ... 2F Security breach

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
20	No other information				
21	Internal sensor error; the motion sensor reports a data integrity error.	Sensor (KITAS)	! security breach 18	18	----- ! 05.06.2006 08:03 ! 21 00h15 A D /V8-SW 123 -----
22	Internal sensor error; the motion sensor reports a data integrity error.	Sensor (KITAS)	! security breach 17	17	----- ! 05.06.2006 08:03 ! 22 00h15 A D /V8-SW 123 -----
23	Internal data transfer error				
24	The DTCCO 1381 housing has been opened or is open.				
25	Hardware manipulation				
26 ... 2F	RFU				

VDO Manipulation Key Error Codes - Cross Reference List

30 ... 3F Disruptions tachograph

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
30	No other information	CAN fault	xA internal fault 13	13	<pre> ----- XA 0 23.11.2009 13:33 00h23 TBD / D 0 0 0 0 ----- </pre>
		CAN fault	xA internal fault 14	14	
		Heartbeat message	xA internal fault 15	15	
31	Internal fault	A general, serious device fault has occurred	xA internal fault 01	01	<pre> ----- XA 0 21.11.2009 13:32 00h23 TBD / D 0 0 0 0 ----- </pre>
		A general, serious device fault has occurred	xA internal fault 02	02	
		A general, serious device fault has occurred	xA internal fault 04	04	
		A general, serious device fault has occurred	xA internal fault 05	05	
		The clock has stopped or gone wrong	xA time fault 06	06	
		Calibration memory fault.	xA calibration fault 09	09	

VDO Manipulation Key Error Codes - Cross Reference List

VDO Manipulation Key Error Codes - Cross Reference List

32	Printer fault	Printer fault	<pre>x¶ printer fault 11</pre>	11	<pre>----- X¶ 0 01.10.2009 06:23 (0) 00h01 e■D /0000000000005390 0 0 e■FIN/5000000000008860 0 0 -----</pre>
Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
34	A communication fault has occurred when downloading card or mass memory data		<pre>x¶ download fault 12</pre>	12	<pre>----- X¶ 0 01.10.2009 06:23 (0) 00h01 e■D /0000000000005390 0 0 -----</pre>
35	Sensor fault		<pre>x¶ sensor fault 16</pre>	16	<pre>----- X¶ 0 01.10.2009 06:23 (0) 00h55 ■--- -----</pre>
36 ... 3F	RFU				

40 4F Card faults

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
40	No other information	Card fault slot 1	<pre>x■1 card fault 41</pre>	•• 41	<pre>----- X■ 0 24.11.2009 13:33 00h00 e■E /E70808521N0000 0 0 -----</pre>
		Card fault slot 2	<pre>x■2 card fault 59</pre>	•• 59	
41 ... 7F	RFU				

VDO Manipulation Key Error Codes - Cross Reference List

50 ... 7F RFU (reserved for further use)

80 ... FF Manufacturer specific

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
C0			<pre>xA internal fault 03</pre>	03	<pre>----- XA 0 21.11.2009 13:32 TBD / 0 0 0 0 0 -----</pre>
C2		Key function	<pre>xA internal fault 08</pre>	08	No printout!
C3		Short circuit to B7-output	<pre>xA internal fault 10</pre>	10	No printout!

Implementation EG/1266/2009 for 01.10.2012

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
85	„IMS fault“ The additional, independent motion signal is missing or not available.	VDO specific implementation	<pre>xAII IMS fault 81</pre>	81	<pre>----- XAII 1 21.10.2012 06:32 (0) 00H02 TBD / 0 0 0 2 0 0 -----</pre>

VDO Manipulation Key Error Codes - Cross Reference List

Extra (Nederlands)

Annex 1b Code (Workshopkey)	Description in English according to Annex 1b	Comment	Message shown on the display Rel. 2.0 - 2.0a SC	CTCII Code Rel. 2.0 – 2.0a	Printout example (events & faults) Rel. 2.0 – 2.0a
BR51	Ijkgegevens				
BR 1	Poging tot beveiligingsinbreuk geconstateerd				
BR 2	Onderbreking in de stroomvoorziening				
BR 41	Rijden zonder kaart				
BR 3	Bewegingssensor fout				