

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL										
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR		
1	Acura	TSX		29	2004-2008							1					
2	Alfa Romeo	159		30	2005-2010												[#5]
3	Alfa Romeo	Brera		30	2005-2010												[#5]
4	Alfa Romeo	Giulia		188	2017->		1	1				1					[#1]
5	Alfa Romeo	Giulietta		14	2010->		1*	1*	1*								[#5]
6	Alfa Romeo	MiTo		14	2008->		1*	1*	1*								[#5]
7	Alfa Romeo	Stelvio		188	2017->		1	1	1			1					[#1]
8	Audi	A1	8X	3	2010->		1	1		1	1	1	1				
9	Audi	A2	8Z	6	1999-2005		1	1			1	1	1				
10	Audi	A3	8P	3	2003-2008		1			1	1	1	1				
11	Audi	A3	8P	3	2008-2012		1				1	1	1	1			
12	Audi	A3	8V	154	2012->		1				1	1	1				
13	Audi	A4	8E	6	2000-2006		1	1	1			1	1				
14	Audi	A4	8E	6	2004-2008	After facelift. (FL)	1	1	1			1	1				
15	Audi	A4	8K	47	2008-2015		1	1	1			1	1				
16	Audi	A4	8W	214	2015->		1					1	1				
17	Audi	A5	8T	47	2007-2016		1	1	1			1	1				
18	Audi	A5	F5	214	2017->		1					1	1				
19	Audi	A6	4F	7	2004-2011		1	1	1	1		1	1	1			
20	Audi	A6	4G	104	2011->	Keyless trunk DO NOT unlock all doors	1	1				1	1				
21	Audi	A6	4G	106	2011-2018	Keyless trunk unlocks all doors	1	1				1	1				
22	Audi	A7	4G8	104	2010->	Keyless trunk DO NOT unlock all doors	1	1				1	1				
23	Audi	A7	4G8	106	2010-2017	Keyless trunk unlocks all doors	1	1				1	1				
24	Audi	A8	4E	7	2002-2009		1	1	1			1	1	1			
25	Audi	A8	4H	104	2009->	Keyless trunk DO NOT unlock all doors	1	1				1	1				
26	Audi	A8	4H	106	2009-2017	Keyless trunk unlocks all doors	1	1				1	1				
27	Audi	Q3	8U	3	2011->		1	1		1		1	1	1			
28	Audi	Q5	8R	47	2008-2017		1	1	1			1	1				
29	Audi	Q5	80A	214	2017->		1			1		1	1				
30	Audi	Q7	4L	7	2005-2015		1	1	1	1		1	1	1			
31	Audi	Q7	4M	214	2015->		1			1		1	1				
32	Audi	R8	42	3	2007->		1	1		1		1	1	1			
33	Audi	TT	8N	3	1998-2006		1	1	1	1		1	1	1			
34	Audi	TT	8J	3	2006-2009		1	1	1	1		1	1	1			
35	Audi	TT	8J	3	2008-2014		1	1		1		1	1	1			
36	Bentley	Bentayga		214	2016->		1					1	1				
37	BMW	1	E81	13	2007-2012		1	1	1	1		1	1				
38	BMW	1	E82	13	2007->		1	1	1	1		1	1				
39	BMW	1	E87	13	2004-2011		1	1	1	1		1	1				
40	BMW	1	E88	13	2007-2011		1	1	1	1		1	1				
41	BMW	1	F20	13	2011->		1	1	1	1		1	1				
42	BMW	1	F21	13	2011->		1	1	1	1		1	1				
43	BMW	2	F22	13	2013->												
44	BMW	2	F22	174	2014->												
45	BMW	2	F45	174	2013->												
46	BMW	2	F46	174	2014->												
47	BMW	3	E46	84	1998-2005	Dedicated K-bus in BMW vehicles											
48	BMW	3	E90	13	2005-2011		1	1	1	1		1	1				
49	BMW	3	F30	158	2012-2014												
50	BMW	3	F30	174	2014->												
51	BMW	3	F31	158	2012-2014												
52	BMW	3	F31	174	2014->												
53	BMW	3	F35	158	2012-2014												
54	BMW	3	F35	174	2014->												
55	BMW	3 GT	F34	13	2013->		1	1	1	1							
56	BMW	3 GT	F34	174	2014->												
57	BMW	4	F32	174	2013->												
58	BMW	4	F33	174	2013->		1										
59	BMW	4	F36	174	2013->												
60	BMW	5	E39	85	1995-2000	Dedicated K-bus in BMW vehicles											
61	BMW	5	E39	84	2000-2003	Dedicated K-bus in BMW vehicles											
62	BMW	5	E60	13	2003-2010		1	1	1	1		1	1				
63	BMW	5	F10	13	2010->		1	1	1	1		1	1				
64	BMW	5	F11	13	2010->		1	1	1	1		1	1				
65	BMW	5	G30	211	2017->												
66	BMW	5	G31	211	2017->												
67	BMW	5 GT	F07	13	2009->		1	1	1	1		1	1				
68	BMW	6	E63	13	2003-2010		1	1	1	1		1	1				
69	BMW	6	E64	13	2003-2010		1	1	1	1		1	1				
70	BMW	6	F12	13	2011->		1	1	1	1		1	1				
71	BMW	6	F13	13	2011->		1	1	1	1		1	1				
72	BMW	6	G32	211	2017->												
73	BMW	7	E65	13	2001-2008		1	1	1	1		1	1				
74	BMW	7	E66	13	2001-2008		1	1	1	1		1	1				
75	BMW	7	E67	13	2001-2008		1	1	1	1		1	1				
76	BMW	7	E68	13	2001-2008		1	1	1	1		1	1				
77	BMW	7	F01	13	2008->		1	1	1	1		1	1				
78	BMW	7	F02	13	2008->		1	1	1	1		1	1				
79	BMW	7	F04	13	2010->		1	1	1	1		1	1				
80	BMW	7	G11	211	2015->												
81	BMW	i3	I01	174	2013->		1										
82	BMW	i8	I12	174	2013->												
83	BMW	X1	E84	13	2009-2015		1	1	1	1		1	1				
84	BMW	X1	F48	174	2015->												
85	BMW	X1	F49	174	2015->												
86	BMW	X2	F39	174	2018->												
87	BMW	X3	E83	84	2003-2010	Dedicated K-bus in BMW vehicles											
88	BMW	X3	F25	13	2010->		1	1	1	1		1	1				
89	BMW	X3	G01	211	2017->												
90	BMW	X4	F26	13	2014-2018		1	1	1	1		1	1				
91	BMW	X5	E53	84	2000-2006	Dedicated K-bus in BMW vehicles											
92	BMW	X5	E70	13	2006-2013		1	1	1	1		1	1				
93	BMW	X5	F15	174	2013->												

* Coded pulse via dedicated wire
 ** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, CAN2 pins 6/14, [#4] CAN1 only CAN-H pin 9, [#5] CAN1 pins 1/9, [#6] CAN1 pins 6/14 may not work in cars manufactured after 2015

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

CAN-BUS CONTROL

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR
94	BMW	X6	E71	13	2008-2014	With OEM alarm.	1	1	1	1	1	1			
95	BMW	X6	E72	13	2008-2014	With OEM alarm.	1	1	1	1	1	1			
96	BMW	X6	F16	174	2014->		1				1				
97	BMW	Z4	E89	13	2009->		1	1	1	1	1				
98	Chevrolet	Aveo	T300	82	2011->	check installation diagram for proper level					1	1	1		[#4]
99	Chevrolet	Aveo	T300	164	2014->	check installation diagram for proper level					1	1	1		[#4]
100	Chevrolet	Captiva		49	2006-2011										
101	Chevrolet	Captiva		160	2011->	Version with keyless entry OEM alarm					1				
102	Chevrolet	Cruze	J300	82	2008->	check installation diagram for proper level					1	1	1		[#4]
103	Chevrolet	Cruze	J300	147	2008-2016	check installation diagram for proper level						1			[#4]
104	Chevrolet	Cruze	J300	164	2014-2016	check installation diagram for proper level					1	1	1		[#4]
105	Chevrolet	Trax		82	2013->	check installation diagram for proper level					1	1	1		[#4]
106	Chrysler	300C		28	2005-2011		1	1		1		1			
107	Chrysler	Grand Voyager		70	2008->		1	1			1	1			
108	Chrysler	PTCruiser		28	2006-2010		1	1		1		1			
109	Chrysler	Town&Country Voyager		70	2008->		1	1			1	1			
110	Chrysler	Voyager		70	2008->		1	1			1	1			
111	Citroen	Berlingo II	B9	10	2008-2018	Enable OEM alarm function in BSI			1		1	1	1		
112	Citroen	C2		10	2005-2010	Enable OEM alarm function in BSI			1		1	1	1		
113	Citroen	C3		10	2005-2009	Enable OEM alarm function in BSI			1		1	1	1		
114	Citroen	C3		10	2009-2016	Enable OEM alarm function in BSI			1		1	1	1		
115	Citroen	C3		144	2016->										
116	Citroen	C3 Aircross		226	2017->	Version without Keyless Entry.									+
117	Citroen	C3 Aircross		218	2017->	Version with Keyless Entry.					1	1			
118	Citroen	C3 Picasso		10	2009-2017	Enable OEM alarm function in BSI			1		1	1	1		
119	Citroen	C4	L	10	2004-2010	Enable OEM alarm function in BSI			1		1	1	1		
120	Citroen	C4	N	10	2010-2018	Enable OEM alarm function in BSI			1		1	1	1		
121	Citroen	C4 Cactus		144	2014->										+
122	Citroen	C4 Picasso		10	2006-2013	Enable OEM alarm function in BSI			1		1	1	1		
123	Citroen	C4 Grand Picasso		10	2006-2013	Enable OEM alarm function in BSI			1		1	1	1		
124	Citroen	C4 Grand Picasso		144	2013->	Version without Keyless Entry.									+
125	Citroen	C4 Grand Picasso		165	2013->	W/keyless,enable OEM alarm function in BSI					1	1	1		
126	Citroen	C5		10	2005-2008	Enable OEM alarm function in BSI			1		1	1	1		
127	Citroen	C5	X7	10	2008-2017	Enable OEM alarm function in BSI			1		1	1	1		
128	Citroen	C5	X7	79	2008-2017										
129	Citroen	C-Crosser		40	2007-2011		1	1		1	1	1	1		
130	Citroen	C-Crosser		40	2011->		1	1		1	1	1	1		
131	Citroen	C-Elysee		144	2012->										+
132	Citroen	DS3		10	2008-2015	Enable OEM alarm function in BSI			1		1	1	1		
133	Citroen	DS4		10	2010-2015	Enable OEM alarm function in BSI			1		1	1	1		
134	Citroen	DS5		10	2011-2015	Enable OEM alarm function in BSI			1		1	1	1		
135	Citroen	DS5		165	2011-2015	With keyless, no BSI programming			1		1	1	1		
136	Citroen	Jumper		15	2006-2011										
137	Citroen	Jumper		69	2011->		1*	1*	1*						[#1]
138	Citroen	Jumpy		55	2007->			1			1	1			
139	Citroen	Jumpy		144	2017->										+
140	Citroen	Nemo		69	2007->		1*	1*	1*						[#1]
141	Citroen	Spacetourer		144	2016->										+
142	Dacia	Duster		153	2013->		+	+					1		[#1]
143	Dacia	Dokker		153	2012->		+	+					1		[#1]
144	Dacia	Lodgy		153	2012->		+	+					1		[#1]
145	Dacia	Sandero		153	2012->		+	+					1		[#1]
146	Dodge	Avenger		28	2007->		1			1		1			[#1]
147	Dodge	Durango		28	2004-2009		1	1		1		1			
148	Dodge	Grand Caravan		70	2008->		1	1			1	1			
149	Dodge	Grand Caravan		70	2008->		1	1			1	1			
150	Dodge	Journey		130	2011->		1								[#3]
151	Dodge	Neon		202	2016->										
152	Dodge	Nitro		70	2006-2012		1	1			1	1			
153	Dodge	Ram		70	2009-2012		1	1			1	1			
154	Dodge	Ram		190	2012-2018						1	1			
155	DS Automobiles	DS3		10	2015->	Enable OEM alarm function in BSI			1		1	1	1		
156	DS Automobiles	DS4		10	2015->	Enable OEM alarm function in BSI			1		1	1	1		
157	DS Automobiles	DS5		10	2015->	Enable OEM alarm function in BSI			1		1	1	1		
158	DS Automobiles	DS5		165	2015->	With keyless, no BSI programming			1		1	1	1		
159	Fiat	500		14	2007->		1*	1*	1*						[#5]
160	Fiat	500 L		14	2012->		1*	1*	1*						[#5]
161	Fiat	500 X		188	2014-2018						1				[#1]
162	Fiat	500 X		188	2018->						1				[#1]
163	Fiat	Aegea		202	2016->										[#3]
164	Fiat	Bravo		53	2007->		1*	1*	1*						[#5]
165	Fiat	Croma		52	2005-2011										[#5]
166	Fiat	Doblo		14	2010->		1*	1*	1*						[#5]
167	Fiat	Doblo		69	2010->		1*	1*	1*						[#5]
168	Fiat	Doblo		14	2017->		1*	1*	1*						[#5]
169	Fiat	Doblo		69	2017->		1*	1*	1*						[#5]
170	Fiat	Ducato III		15	2006-2011										[#5]
171	Fiat	Ducato IIIFL		69	2011->		1*	1*	1*						[#5]
172	Fiat	Fiorino		14	2007->		1*	1*	1*						[#5]
173	Fiat	Fiorino		69	2007->		1*	1*	1*						[#5]
174	Fiat	Freemont		130	2011-2014		1								[#3]
175	Fiat	Freemont		190	2014-2016						1	1			
176	Fiat	Fullback		177	2015->	Version with Keyless Entry	1	1			1				
177	Fiat	Fullback		178	2015->	Version without Keyless Entry.	1	1			1				
178	Fiat	Grande Punto		14	2005-2009		1*	1*	1*						[#5]
179	Fiat	Idea		54	2004-2010										[#5]
180	Fiat	Idea		54	2010-2012										[#5]
181	Fiat	Linea		53	2007->		1*	1*	1*						[#5]
182	Fiat	Panda		53	2003-2012		1*	1*	1*						[#5]
183	Fiat	Panda		14	2012->		1*	1*	1*						[#5]
184	Fiat	Punto Evo		14	2009-2012		1*	1*	1*						[#5]
185	Fiat	Qubo		14	2008->		1*	1*	1*						[#5]
186	Fiat	Qubo		69	2008->		1*	1*	1*						[#5]

* Coded pulse via dedicated wire
 ** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, [#4] CAN1 pins 6/14, [#5] CAN1 pins 1/9, [#6] CAN1 pins 1/9, [#7] CAN1 pins 6/14, [#8] CAN1 pins 6/14 may not work in cars manufactured after 2015

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factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL								
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR
187	Fiat	Sedici		44	2006->	Version with Keyless Entry.	1	1	1						[#1]
188	Fiat	Sedici		81	2006->	Version without Keyless Entry.	1	1	1						[#1]
189	Fiat	Scudo II		55	2007->	Enable OEM alarm function in BSI			1		1	1			
190	Fiat	Stilo		54	2001-2005										[#5]
191	Fiat	Stilo		53	2005-2007		1*	1*	1*						[#5]
192	Fiat	Talento		153	2016->		+	+				1			[#1]
193	Fiat	Tipo		202	2016->										[#3]
194	Ford	B-Max		159	2012-2017					1					[#3]
195	Ford	C-Max	C214	8	2003-2010	Depending on the ECU - level 8 or 36.				1				+	[#3]
196	Ford	C-Max	C214	36	2003-2010	Depending on the ECU - level 8 or 36.				1				+	[#3]
197	Ford	C-Max II	Mk.2	114	2010->	Version with Keyless Entry.									[#3]
198	Ford	C-Max II	Mk.2	114	2010->	Version without Keyless Entry.									[#3]
199	Ford	C-Max Grand	Mk.2	114	2010->	Version with Keyless Entry.									[#3]
200	Ford	C-Max Grand	Mk.2	114	2010->	Version without Keyless Entry.									[#3]
201	Ford	EcoSport		186	2013->					1					[#3]
202	Ford	Edge		186	2016->					1					[#3]
203	Ford	Fiesta	JD3	71	2005-2008	After facelift. (FL)				1					[#3]
204	Ford	Fiesta	JA8	115	2008-2012					1					[#3]
205	Ford	Fiesta		115	2013-2017	Version without Keyless Entry.				1					[#3]
206	Ford	Fiesta		159	2013-2017	Version with Keyless Entry.				1					[#3]
207	Ford	Focus II	C307	8	2004-2010	Depending on the ECU - level 8 or 36.				1				+	[#3]
208	Ford	Focus II	C307	36	2004-2010	Depending on the ECU - level 8 or 36.				1				+	[#3]
209	Ford	Focus III		114	2010->	Version with Keyless Entry.									[#3]
210	Ford	Focus III		114	2010->	Version without Keyless Entry.									[#3]
211	Ford	Fusion		71	2005-2012					1					[#3]
212	Ford	Galaxy II	WA6	33	2006-2014	Depending on the ECU - level 33 or 68.	1	1							[#3]
213	Ford	Galaxy II	WA6	68	2006-2014	Depending on the ECU - level 33 or 68.	1	1							[#3]
214	Ford	Galaxy III		186	2015->					1					[#3]
215	Ford	Kuga		8	2008-2012	Depending on the ECU - level 8 or 36.				1				+	[#3]
216	Ford	Kuga		36	2008-2012	Depending on the ECU - level 8 or 36.				1				+	[#3]
217	Ford	Kuga		114	2012->										[#3]
218	Ford	Kuga		114	2017->										[#3]
219	Ford	Mondeo MK4	BA7	33	2007-2014	Depending on the ECU - level 33 or 68.	1	1							[#3]
220	Ford	Mondeo MK4	BA7	68	2007-2014	Depending on the ECU - level 33 or 68.	1	1							[#3]
221	Ford	Mondeo MK5		186	2014->					1					[#3]
222	Ford	Mustang	MK5	199	2010-2014					1	1	1			[#3]
223	Ford	Mustang	MK6	186	2015->					1					[#3]
224	Ford	Ranger		189	2011-2016										[#3]
225	Ford	Ranger		186	2016->					1					[#3]
226	Ford	S-Max		33	2006-2015	Depending on the ECU - level 33 or 68.	1	1							[#3]
227	Ford	S-Max		68	2006-2015	Depending on the ECU - level 33 or 68.	1	1							[#3]
228	Ford	S-Max		186	2015->					1					[#3]
229	Ford	Tourneo Connect		114	2013->										[#3]
230	Ford	Tourneo Courier		115	2013->	Version without Keyless Entry.				1					[#3]
231	Ford	Tourneo Courier		159	2013->	Version with Keyless Entry.				1					[#3]
232	Ford	Tourneo Custom		175	2012->					1				+	[#3]
233	Ford	Transit	8 gen.	175	2013->					1				+	[#3]
234	Ford	Transit Connect		114	2013->										[#3]
235	Ford	Transit Connect		207	2013->										[#3]
236	Ford	Transit Courier		115	2013->	check installation diagram for proper level				1					[#3]
237	Ford	Transit Courier		159	2013->	check installation diagram for proper level				1					[#3]
238	Ford	Transit Courier		205	2013->	check installation diagram for proper level				1					[#3]
239	Ford	Transit Courier		206	2013->	check installation diagram for proper level				1					[#3]
240	Ford	Transit Custom		175	2012->	check installation diagram for proper level								+	[#3]
241	Ford	Transit Custom		186	2016->	check installation diagram for proper level				1					[#3]
242	Honda	Accord	7 gen.	29	2002-2008					1					
243	Honda	Accord	8 gen.	63	2008->		1	1			1	1			
244	Honda	Civic	8 gen.	31	2005-2011					1					
245	Honda	Civic	9 gen.	139	2011-2015						1	1	1		
246	Honda	Civic	10 gen.	139	2015->		1					1	1		
247	Honda	City		31	2008-2013					1					
248	Honda	CR-V	3 gen.	31	2006-2012					1					
249	Honda	CR-V	4 gen.	139	2011-2015						1	1	1		
250	Honda	CR-V	4 gen.	139	2015->	After facelift. (FL)	1				1	1	1		
251	Honda	CR-Z		31	2010-2013					1					
252	Honda	Fit (JAPAN)		101	2008->					1					
253	Honda	HR-V		139	2014->		1				1	1	1		
254	Honda	Insight		31	2009-2013					1					
255	Honda	Jazz	2 gen.	31	2008-2015					1					
256	Honda	Jazz	3 gen.	31	2013->					1					
257	Honda	Odyssey	RB3	139	2008-2013		1				1	1	1		
258	Hyundai	i10	IB/BA	166	2013->					1	1				
259	Hyundai	i20	GB	166	2014->					1	1				
260	Hyundai	i30	GD	94	2011->					1	1	1			[#2]
261	Hyundai	i40	VF	121	2011->	Version with Keyless Entry.	1	1	1		1	1	1		[#2]
262	Hyundai	i40	VF	122	2011->	Version without Keyless Entry.	1	1	1		1	1	1		[#2]
263	Hyundai	ix20		94	2010->		1	1			1	1	1		[#2]
264	Hyundai	ix35		94	2013->	After facelift. (FL)	1	1			1	1	1		[#2]
265	Hyundai	ix55		95	2009-2015								1		
266	Hyundai	Elantra		94	2011->		1	1			1	1	1		[#2]
267	Hyundai	Elantra		176	2014->						1	1	1		
268	Hyundai	Genesis Coupe		125	2008-2012		1	1							
269	Hyundai	Grandeur		95	2005-2011							1			
270	Hyundai	H350		198	2014->					1	1				
271	Hyundai	Santa Fe	DM	184	2012->		1	1			1	1			
272	Hyundai	Tucson	TL	166	2015->					1	1				
273	Hyundai	Veracruz		95	2007-2015							1			
274	Infiniti	FX35		58	2003-2008										[#1]
275	Infiniti	G37		102	2009-2013		1	1							[#1]
276	Infiniti	Q50		102	2013->		1	1							[#1]
277	Iveco	Daily IV		15	2006-2011										
278	Iveco	Daily V		69	2011-2014		1*	1*	1*						[#1]
279	Iveco	Daily VI		69	2014->										[#1]

* Coded pulse via dedicated wire
 ** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, CAN2 pins 3/11, [#4] CAN1 only CAN-H pin 9, [#5] CAN1 pins 1/9, [#6] CAN1 pins 6/14 may not work in cars manufactured after 2015

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL									
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR	
280	Jaguar	F-Pace	X761	203	2016->							1	1			
281	Jaguar	F-Pace	X761	231	2017->							1	1			
282	Jaguar	XF		173	2008-2011							1	1			
283	Jaguar	XJ	X351	107	2009->							1			+	
284	Jaguar	XJL	X351	107	2009->							1			+	
285	Jeep	Cherokee		193	2013->							1	1			
286	Jeep	Compass	MK49	28	2007->2017		1	1				1		1		
287	Jeep	Compass	MP	188	2017->		1	1				1				[#1]
288	Jeep	Grand Cherokee	WK	28	2005-2010		1	1				1		1		
289	Jeep	Grand Cherokee	WK2	70	2010-2013		1	1				1		1		
290	Jeep	Grand Cherokee	WK2	190	2013->		1	1				1		1		
291	Jeep	Renegade		188	2014-2017							1				[#1]
292	Jeep	Renegade		188	2017->							1				[#1]
293	Jeep	Wrangler	JK	70	2007->		1	1				1	1			
294	Kia	Carens		219	2016->							1	1			
295	Kia	Carnival	VQ	22	2005-2010									1		
296	Kia	Cee'd	JD3	135	2012->		1					1	1	1		[#2]
297	Kia	Niro		216	2016->							1		1		[#2]
298	Kia	Opirus		23	2003-2010											
299	Kia	Optima		187	2010-2015		1	1				1	1	1		[#2]
300	Kia	Rio	UB	135	2011->		1					1	1	1		[#2]
301	Kia	Sorento	XM	108	2009-2015											[#2]
302	Kia	Sorento	XM	170	2012-2015	After facelift. (FL)								1	+	[#2]
303	Kia	Sorento	UM	166	2015->											[#2]
304	Kia	Soul	AM	136	2010-2012											
305	Kia	Soul	AM	170	2012-2014									1	+	[#2]
306	Kia	Soul	PS	166	2014->											[#2]
307	Kia	Sportage	SL	109	2010-2016		1					1	1			[#2]
308	Kia	Sportage	QL	166	2015->							1	1			[#2]
309	Kia	Stinger		216	2017->							1				[#2]
310	Lada	Kalina 2		181	2013->										+	[#1]
311	Lada	Granta		181	2011->										+	[#1]
312	Lada	Priora		181	2013->										+	[#1]
313	Lamborghini	Urus		214	2018->		1					1	1			
314	Land Rover	Discovery 3		80	2004-2009							1			+	
315	Land Rover	Discovery 4		107	2009-2013							1			+	
316	Land Rover	Discovery 4		203	2013-2016							1	1			
317	Land Rover	Discovery 5		231	2018->							1	1			
318	Land Rover	Range Rover Evoque		203	2011-2014							1	1			
319	Land Rover	Range Rover Evoque		203	2015->							1	1			
320	Land Rover	Range Rover Sport		80	2003-2009							1			+	
321	Land Rover	Range Rover Sport		107	2010-2012							1			+	
322	Lexus	GS	S190	60	2005-2012		1									
323	Lexus	HS	ANF20	128	2009->		1	1	1			1	1			
324	Lexus	IS	XE20	124	2005-2013	With OEM alarm.								1		
325	Lexus	IS	XE30	127	2013->		1	1	1							[#1]
326	Lexus	NX	AZ10	127	2014->		1	1	1							
327	Lexus	RC	AVC10	127	2014->		1	1	1							
328	Lexus	RX	L10	128	2009-2015		1		1			1	1			
329	MAN	TGE		221	2017->							1	1			
330	Maserati	Ghibli		190	2013->		1	1				1	1			
331	Mazda	2	DE	103	2007-2014										+	[#1]
332	Mazda	2	DJ	138	2014->							1	1			[#1]
333	Mazda	3	BL	103	2009-2013									1	+	[#1]
334	Mazda	3	BM	138	2013->	Hatchback (2-button OEM remote)						1	1			[#1]
335	Mazda	3	BM	138	2013->	Sedan (3-button OEM remote)						1	1			[#1]
336	Mazda	5	CW	103	2010->											[#1]
337	Mazda	6	GH	45	2007-2012											[#1]
338	Mazda	6	GJ	138	2012-2015							1	1			[#1]
339	Mazda	6	GJ	138	2015->	After facelift. (FL)						1	1			[#1]
340	Mazda	CX-3	DK	138	2015->							1	1			[#1]
341	Mazda	CX-5	KE	138	2011->							1	1			[#1]
342	Mazda	CX-5	KE	138	2015->	After facelift. (FL)						1	1			[#1]
343	Mazda	CX-7		64	2007->											[#1]
344	Mazda	CX-9		96	2007->										+	[#1]
345	Mazda	MX-5	ND	138	2015->							1	1			[#1]
346	Mercedes	A	W169	91	2004-2012		1	1	1	1		1	1			
347	Mercedes	A	W176	39	2012->		1	1	1	1		1	1	1		
348	Mercedes	B	W245	91	2005-2011		1	1	1	1		1	1			
349	Mercedes	B	W246	39	2011->		1	1	1	1		1	1	1		
350	Mercedes	C	W203	93	2000-2007		1	1	1	1		1	1			
351	Mercedes	C	W204	39	2007-2014		1	1	1	1		1	1	1		
352	Mercedes	C	W205	182	2014->	if no door signal - use level 241	1	1	1			1	1			
353	Mercedes	C	W205	241	2014->							1	1			
354	Mercedes	Citan	W415	57	2012->									1	+	[#1]
355	Mercedes	Citan	W415	210	2012->									1	+	[#1]
356	Mercedes	CL	C215	27	1999-2006		1	1	1	1		1	1			
357	Mercedes	CL	C216	39	2006-2014		1	1	1	1		1	1	1		
358	Mercedes	CLA	C117	39	2013->		1	1	1	1		1	1	1		
359	Mercedes	CLK	C208	37	1997-2003	RF transmitter.	1					1		1		
360	Mercedes	CLK	C209	9	2002-2009		1	1	1	1		1				
361	Mercedes	CLS	C219	9	2004-2010		1	1	1	1		1				
362	Mercedes	CLS	C218	65	2010->		1	1	1	1		1	1	1		
363	Mercedes	E	A207	65	2009->		1	1	1	1		1	1	1		
364	Mercedes	E	C207	65	2009->		1	1	1	1		1	1	1		
365	Mercedes	E	W210	19	1995-1997	IR transmitter.	1							1		
366	Mercedes	E	W210	37	1997-2002	RF transmitter.	1		1	1				1		
367	Mercedes	E	W211	9	2002-2009		1	1	1	1		1				
368	Mercedes	E	W212	39	2009->		1	1	1	1		1	1	1		
369	Mercedes	E	W213	223	2016->	if no door signal - use level 242	1	1	1			1	1			
370	Mercedes	E	W213	242	2016->		1	1	1			1	1			
371	Mercedes	G	W463	93	2000->		1	1	1	1		1	1			
372	Mercedes	GL	X164	9	2006-2012		1	1	1	1		1				

* Coded pulse via dedicated wire
** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, CAN2 pins 3/11, [#4] CAN1 pin 9, [#5] CAN1 pins 1/9, [#6] CAN1 pins 6/14 may not work in cars manufactured after 2015

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL							
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN-ANALOGUE ALARM FUNCTION
373	Mercedes	GLS	X166	39	2016->		1	1	1	1	1	1	1	
374	Mercedes	GLA	X156	39	2013->		1	1	1	1	1	1	1	
375	Mercedes	GLC	X205	182	2015->		1	1	1	1	1	1	1	
376	Mercedes	GLC	X253	182	2015->		1	1	1	1	1	1	1	
377	Mercedes	GLE Coupe	C292	39	2015->		1	1	1	1	1	1	1	
378	Mercedes	GLE Wagon	W166	39	2015->		1	1	1	1	1	1	1	
379	Mercedes	ML	W164	9	2005-2011		1	1	1	1	1	1	1	
380	Mercedes	ML	W166	39	2011-2015		1	1	1	1	1	1	1	
381	Mercedes	R	W251	9	2005-2013		1	1	1	1	1	1	1	
382	Mercedes	S	W220	27	1998-2003		1	1	1	1	1	1	1	
383	Mercedes	S	W220	27	2003-2005		1	1	1	1	1	1	1	
384	Mercedes	S	W221	39	2005-2013		1	1	1	1	1	1	1	
385	Mercedes	S	W222	182	2013->		1	1	1	1	1	1	1	
386	Mercedes	SL	R230	27	2001-2011		1	1	1	1	1	1	1	
387	Mercedes	SLK	R171	92	2004-2011		1	1	1	1	1	1	1	
388	Mercedes	SLS	C197	39	2010->		1	1	1	1	1	1	1	
389	Mercedes	Sprinter II	W906	16	2006-2013		1	1	1	1	1	1	1	
390	Mercedes	Sprinter II	W906	16	2013-2018		1	1	1	1	1	1	1	
391	Mercedes	Sprinter III	W907	240	2018->		1	1	1	1	1	1	1	
392	Mercedes	Sprinter III	W910	240	2018->		1	1	1	1	1	1	1	
393	Mercedes	V	W447	195	2014->		1	1	1	1	1	1	1	
394	Mercedes	Viano	W639	17	2003->		1	1	1	1	1	1	1	
395	Mercedes	Vito	W639	17	2003-2014		1	1	1	1	1	1	1	
396	Mercedes	Vito	W447	195	2014->		1	1	1	1	1	1	1	
397	Mini	Cabrio	F57	174	2016->		1	1	1	1	1	1	1	
398	Mini	Cooper	R56	13	2006-2013		1	1	1	1	1	1	1	
399	Mini	Countryman	R60	13	2010-2016		1	1	1	1	1	1	1	
400	Mini	Countryman	F60	174	2017->		1	1	1	1	1	1	1	
401	Mini	Coupe	R58	13	2012-2015		1	1	1	1	1	1	1	
402	Mini	Clubman	F54	174	2016->		1	1	1	1	1	1	1	
403	Mini	Hardtop	F56	174	2013->		1	1	1	1	1	1	1	
404	Mini	Hatch	F55	174	2015->		1	1	1	1	1	1	1	
405	Mini	Paceman	R61	13	2013-2016		1	1	1	1	1	1	1	
406	Mini	Roadster	R59	13	2012-2015		1	1	1	1	1	1	1	
407	Mitsubishi	ASX	3 gen.	40	2010->		1	1	1	1	1	1	1	
408	Mitsubishi	L200	177	2015->	Version with Keyless Entry		1	1	1	1	1	1	1	
409	Mitsubishi	L200	178	2015->	Version without Keyless Entry.		1	1	1	1	1	1	1	
410	Mitsubishi	Lancer	8 gen	40	2007-2011		1	1	1	1	1	1	1	
411	Mitsubishi	Lancer	8 gen	40	2011->	After facelift. (FL)	1	1	1	1	1	1	1	
412	Mitsubishi	Outlander	40	2006-2010			1	1	1	1	1	1	1	
413	Mitsubishi	Outlander	40	2010-2011			1	1	1	1	1	1	1	
414	Mitsubishi	Outlander	40	2011-2012			1	1	1	1	1	1	1	
415	Mitsubishi	Outlander	151	2012->			1	1	1	1	1	1	1	
416	Mitsubishi	Space Star	177	2013->	Version with Keyless Entry.		1	1	1	1	1	1	1	
417	Mitsubishi	Space Star	178	2013->	Version without Keyless Entry.		1	1	1	1	1	1	1	
418	Mitsubishi	Triton	177	2015->	Version with Keyless Entry		1	1	1	1	1	1	1	
419	Mitsubishi	Triton	178	2015->	Version without Keyless Entry.		1	1	1	1	1	1	1	
420	Nissan	370Z	59	2008->	Version with Keyless Entry.		1	1	1	1	1	1	1	
421	Nissan	Altima	L33	102	2012->		1	1	1	1	1	1	1	[#1]
422	Nissan	Cube	Z12	102	2008->		1	1	1	1	1	1	1	[#1]
423	Nissan	Interstar	87	2003-2010			1	1	1	1	1	1	1	[#2]
424	Nissan	Interstar	87	2003-2010			1	1	1	1	1	1	1	[#2]
425	Nissan	Juke	42	2010->	Version without Keyless Entry.		1	1	1	1	1	1	1	[#1]
426	Nissan	Juke	102	2010->	Version with Keyless Entry.		1	1	1	1	1	1	1	[#1]
427	Nissan	Leaf	220	2010->	Version with Keyless Entry.		1	1	1	1	1	1	1	[#1]
428	Nissan	Micra	K12	41	2003-2010		1	1	1	1	1	1	1	[#1]
429	Nissan	Micra	K13	42	2010-2013		1	1	1	1	1	1	1	[#1]
430	Nissan	Micra	K13	42	2013-2016		1	1	1	1	1	1	1	[#1]
431	Nissan	Micra	K13	102	2013-2016	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
432	Nissan	Micra	K14	222	2016->		1	1	1	1	1	1	1	[#1]
433	Nissan	Murano	Z50	58	2002-2008	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
434	Nissan	Murano	Z50	59	2002-2008	Version without Keyless Entry.	1	1	1	1	1	1	1	[#1]
435	Nissan	Navara	D40	42	2006-2015	Version without Keyless Entry.	1	1	1	1	1	1	1	[#1]
436	Nissan	Navara	D40	58	2006-2015	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
437	Nissan	Navara	D23	102	2015->	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
438	Nissan	NV200	57	2009->			1	1	1	1	1	1	1	[#1]
439	Nissan	NV200	210	2009->			1	1	1	1	1	1	1	[#1]
440	Nissan	Note	41	2006-2012			1	1	1	1	1	1	1	[#1]
441	Nissan	Note II	42	2012->			1	1	1	1	1	1	1	[#1]
442	Nissan	Note II	102	2012->	Version without Keyless Entry.		1	1	1	1	1	1	1	[#1]
443	Nissan	Pathfinder	R51	42	2012->	Version without Keyless Entry.	1	1	1	1	1	1	1	[#1]
444	Nissan	Pathfinder	R51	58	2005-2012	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
445	Nissan	Pixo	81	2009->			1	1	1	1	1	1	1	[#1]
446	Nissan	Presage	U31	102	2006-2009		1	1	1	1	1	1	1	[#1]
447	Nissan	Primastar	87	2005->			1	1	1	1	1	1	1	[#2]
448	Nissan	Primastar	87	2005->			1	1	1	1	1	1	1	[#2]
449	Nissan	Pulsar	172	2014->			1	1	1	1	1	1	1	[#1]
450	Nissan	Qashqai	J10	58	2006-2010	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
451	Nissan	Qashqai	J10	42	2010-2013	Version without Keyless Entry.	1	1	1	1	1	1	1	[#1]
452	Nissan	Qashqai	J10	58	2010-2013	Version with Keyless Entry. FL	1	1	1	1	1	1	1	[#1]
453	Nissan	Qashqai	J11	172	2013->		1	1	1	1	1	1	1	[#1]
454	Nissan	Qashqai	172	2017->			1	1	1	1	1	1	1	[#1]
455	Nissan	Qashqai +2	NJ10	42	2008-2010	Version without Keyless Entry.	1	1	1	1	1	1	1	[#1]
456	Nissan	Qashqai +2	NJ10	58	2008-2010	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
457	Nissan	Qashqai +2	NJ10	42	2010->	Version without Keyless Entry. FL	1	1	1	1	1	1	1	[#1]
458	Nissan	Qashqai +2	NJ10	58	2010->	Version with Keyless Entry. FL	1	1	1	1	1	1	1	[#1]
459	Nissan	Serena	102	2005-2010			1	1	1	1	1	1	1	[#1]
460	Nissan	Tiida	41	2006-2011			1	1	1	1	1	1	1	[#1]
461	Nissan	Wingroad	102	2006->			1	1	1	1	1	1	1	[#1]
462	Nissan	X-trail	T31	42	2007-2014	Version without Keyless Entry.	1	1	1	1	1	1	1	[#1]
463	Nissan	X-trail	T31	58	2007-2014	Version with Keyless Entry.	1	1	1	1	1	1	1	[#1]
464	Nissan	X-trail	T32	172	2014-2017		1	1	1	1	1	1	1	[#1]
465	Opel	Adam	82	2012->	check installation diagram for proper level		1	1	1	1	1	1	1	[#4]

* Coded pulse via dedicated wire
 ** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 3/11, [#3] CAN1 pins 6/14, [#4] CAN1 pins 6/14, [#5] CAN1 pins 1/9, [#6] CAN1 pins 1/9, [#7] CAN1 pins 6/14 may not work in cars manufactured after 2015

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL									
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR	
466	Opel	Adam		147	2012->	check installation diagram for proper level						1				[#4]
467	Opel	Adam		164	2014->	check installation diagram for proper level						1	1	1		[#4]
468	Opel	Antara		49	2007->											
469	Opel	Antara		160	2011->	Version with keyless entry OEM alarm						1				
470	Opel	Agila	B	44	2007-2015	Version with Keyless Entry.	1	1	1							[#1]
471	Opel	Agila	B	81	2007-2015	Version without Keyless Entry.	1	1	1						+	[#1]
472	Opel	Astra	H	18	2004-2009											
473	Opel	Astra	H	217	2004-2009	Cabrio with Keyless										
474	Opel	Astra	J	82	2009->	check installation diagram for proper level						1	1	1		[#4]
475	Opel	Astra	J	147	2009->	check installation diagram for proper level										[#4]
476	Opel	Astra	K	164	2014->	check installation diagram for proper level						1	1	1		[#4]
477	Opel	Cascada		82	2009->	check installation diagram for proper level						1	1	1		[#4]
478	Opel	Cascada		147	2009->	check installation diagram for proper level										[#4]
479	Opel	Cascada		164	2009->	check installation diagram for proper level						1	1	1		[#4]
480	Opel	Combo	D	14	2011->		1*	1*	1*							[#1]
481	Opel	Combo	D	69	2011->		1*	1*	1*							[#1]
482	Opel	Corsa	D	72	2006-2014	3 door										
483	Opel	Corsa	D	18	2006-2014	5 door										
484	Opel	Corsa	E	164	2014->	check installation diagram for proper level										[#4]
485	Opel	Crossland X		226	2017->	Version without Keyless Entry.										
486	Opel	Crossland X		218	2017->	Version with Keyless Entry.										
487	Opel	Grandland X		226	2017->	Version without Keyless Entry.										
488	Opel	Grandland X		218	2017->	Version with Keyless Entry.										
489	Opel	Insignia	A	82	2008-2013	check installation diagram for proper level										[#4]
490	Opel	Insignia	A	147	2008-2013	check installation diagram for proper level										[#4]
491	Opel	Insignia	A	164	2014-2017	check installation diagram for proper level										[#4]
492	Opel	Karl		164	2014->											[#4]
493	Opel	Meriva	B	116	2010->											
494	Opel	Mokka		82	2012->	check installation diagram for proper level										[#4]
495	Opel	Mokka		147	2012->	check installation diagram for proper level										[#4]
496	Opel	Mokka		164	2014->	check installation diagram for proper level										[#4]
497	Opel	Movano A		87	2003-2010											[#2]
498	Opel	Movano A		87	2003-2010											[#2]
499	Opel	Movano B		210	2010->											[#1]
500	Opel	Signum		18	2003-2008		1	1	1	1						
501	Opel	Vectra	C	141	2002-2009		1	1	1	1						
502	Opel	Vivaro		87	2005->											
503	Opel	Vivaro		87	2005->											
504	Opel	Vivaro		153	2014->											[#1]
505	Opel	Zafira	B	18	2005-2011		1	1	1	1						
506	Opel	Zafira	C	82	2011->	check installation diagram for proper level										[#4]
507	Opel	Zafira	C	147	2011->	check installation diagram for proper level										[#4]
508	Opel	Zafira	C	164	2014->	check installation diagram for proper level										[#4]
509	Opel	Zafira Tourer	C	82	2011->	check installation diagram for proper level										[#4]
510	Opel	Zafira Tourer	C	147	2011->	check installation diagram for proper level										[#4]
511	Opel	Zafira Tourer	C	164	2014->	check installation diagram for proper level										[#4]
512	Peugeot	207		10	2006-2012	Enable OEM alarm function in BSI										
513	Peugeot	208		144	2012->											
514	Peugeot	2008		144	2013->											
515	Peugeot	301		144	2012->											
516	Peugeot	307		10	2005-2008	Enable OEM alarm function in BSI										
517	Peugeot	308		10	2007-2013	Enable OEM alarm function in BSI										
518	Peugeot	308		144	2013->	Version without Keyless Entry.										
519	Peugeot	308		165	2013->	W/keyless,enable OEM alarm function in BSI										
520	Peugeot	3008		10	2009->	Enable OEM alarm function in BSI										
521	Peugeot	3008		218	2016->	Version without Keyless Entry.										
522	Peugeot	3008		218	2016->	Version with Keyless										
523	Peugeot	407		11	2004-2011											
524	Peugeot	4007		40	2007-2011		1	1								
525	Peugeot	4007		40	2011-2012		1	1								
526	Peugeot	4008		40	2012->		1	1								
527	Peugeot	508		10	2010->	Enable OEM alarm function in BSI										
528	Peugeot	508		10	2010->	W/keyless,enable OEM alarm function in BSI										
529	Peugeot	5008		10	2009->	Enable OEM alarm function in BSI										
530	Peugeot	Bipper		69	2008->		1*	1*	1*							[#1]
531	Peugeot	Boxer		15	2006-2011											
532	Peugeot	Boxer		69	2011->		1*	1*	1*							[#1]
533	Peugeot	Expert		55	2007-2016	Enable OEM alarm function in BSI										
534	Peugeot	Expert II		144	2016->											
535	Peugeot	Partner II		10	2008->	Enable OEM alarm function in BSI										
536	Peugeot	Traveller		144	2016->											
537	Porsche	911	997	66	2004-2008		1									
538	Porsche	Cayenne		20	2002-2010		1	1	1	1						
539	Porsche	Cayenne		77	2002-2010		1	1	1	1						
540	Porsche	Cayenne		104	2010->	Keyless trunk DO NOT unlock all doors	1	1								
541	Porsche	Cayenne		106	2010->	Keyless trunk unlocks all doors	1	1								
542	Porsche	Cayenne		214	2018->		1									
543	Porsche	Cayman	987	66	2006-2013											
544	Porsche	Cayman	981	106	2013->		1	1								
545	Porsche	Macan	95B	106	2014->		1	1								
546	Porsche	Panamera		104	2009->	Keyless trunk DO NOT unlock all doors	1	1								
547	Porsche	Panamera		106	2009-2016	Keyless trunk unlocks all doors	1	1								
548	Renault	RENAULT BUS		87		Renault-bus without anti-hijack										
549	Renault	Captur		153	2013->											
550	Renault	Clio II		87	2001-2005											[#1]
551	Renault	Clio II		87	2001-2005											[#2]
552	Renault	Clio III GrandTour		51	2008-2012											[#1]
553	Renault	Clio III	R	51	2005-2012											[#1]
554	Renault	Clio IV	X98	153	2012->											[#1]
555	Renault	Espace IV	JK	25	2003-2014											[#1]
556	Renault	Espace V		194	2015->											[#1]
557	Renault	Fluence		50	2009->											[#1]
558	Renault	Grand Modus		51	2008-2012											[#1]

* Coded pulse via dedicated wire
** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, [#4] CAN1 pins 1/9, [#5] CAN1 pins 6/14 may not work in cars manufactured after 2015

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL	CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR
559	Renault	Grand Scenic II		194	2016->											
560	Renault	Kadjar		194	2015->											
561	Renault	Kangoo II	X61	57	2008->											[#1]
562	Renault	Kangoo II	X61	210	2008->											[#1]
563	Renault	Koleos II		194	2016->											[#1]
564	Renault	Laguna II Facelift	G	25	2005-2007	After facelift. (FL)										[#1]
565	Renault	Laguna III	T	50	2007->											[#1]
566	Renault	Latitude		50	2010->											[#1]
567	Renault	Master II		87	2003-2010											[#2]
568	Renault	Master II		87	2003-2010											[#2]
569	Renault	Master III		210	2010-2014											[#1]
570	Renault	Master III FL		210	2014->											[#1]
571	Renault	Megane II		87	2002-2009											[#2]
572	Renault	Megane II		87	2002-2009											[#2]
573	Renault	Megane II		209	2002-2009											[#1]
574	Renault	Megane III	B95	50	2008->											[#1]
575	Renault	Megane IV		194	2015->											[#1]
576	Renault	Megane Generation	B95	50	2010->											[#1]
577	Renault	Megane GrandTour	B95	50	2009->											[#1]
578	Renault	Modus		51	2008-2012											[#1]
579	Renault	Scenic II		209	2004-2009											[#1]
580	Renault	Scenic III		50	2009->											[#1]
581	Renault	Scenic IV		194	2016->											[#1]
582	Renault	Talisman		194	2015->											[#1]
583	Renault	Traffic II		87	2005-2014											[#2]
584	Renault	Traffic II		87	2005-2014											[#2]
585	Renault	Traffic III		153	2014->											[#1]
586	Renault	Twingo III		153	2014->											[#1]
587	Renault	Zoe		50	2012->											[#1]
588	Renault	Zoe		237	2012->											[#1]
589	Saab	9-3 Face lift	YS3F	67	2003-2011											[#4]
590	Saab	9-5	YS3G	82	2010-2012											[#4]
591	Seat	Alhambra	7V	3	2009->											[#1]
592	Seat	Altea	5P	3	2004-2009											[#1]
593	Seat	Altea	5P	3	2008-2015											[#1]
594	Seat	Altea Freetrack		3	2007-2009											[#1]
595	Seat	Altea Freetrack		3	2008-2015											[#1]
596	Seat	Altea XL	5P	3	2006-2009											[#1]
597	Seat	Altea XL	5P	3	2008-2015											[#1]
598	Seat	Ateca		214	2017->											[#1]
599	Seat	Cordoba	6L	4	2002-2009											[#1]
600	Seat	Exeo	3R	6	2008-2013											[#1]
601	Seat	Ibiza III	6L	4	2002-2008											[#1]
602	Seat	Ibiza IV	6J	73	2008-2015											[#1]
603	Seat	Ibiza IV FL	6J	154	2015->											[#1]
604	Seat	Leon I	1M	1	1999-2001											[#1]
605	Seat	Leon I	1M	2	2001-2005											[#1]
606	Seat	Leon II	1P	3	2005-2009											[#1]
607	Seat	Leon II	1P	3	2008-2012											[#1]
608	Seat	Leon III	5F	154	2012->											[#1]
609	Seat	Mii		73	2010->											[#1]
610	Seat	Toledo II	1M	1	1999-2001											[#1]
611	Seat	Toledo II	1M	2	2001-2004											[#1]
612	Seat	Toledo III	5P	3	2004-2009											[#1]
613	Seat	Toledo IV		73	2012->											[#1]
614	Skoda	Citigo		73	2012->											[#1]
615	Skoda	Fabia I	6Y	4	1999-2007											[#1]
616	Skoda	Fabia II	5J	4	2007-2010											[#1]
617	Skoda	Fabia II	5J	73	2010-2014	After facelift. (FL)										[#1]
618	Skoda	Fabia III	NJ	154	2014->											[#1]
619	Skoda	Karoq		214	2017->											[#1]
620	Skoda	Kodiaq		214	2016->											[#1]
621	Skoda	Octavia I	1U	1	1996-2001											[#1]
622	Skoda	Octavia I	1U	2	2001-2010											[#1]
623	Skoda	Octavia II	1Z	3	2004-2009											[#1]
624	Skoda	Octavia II	1Z	3	2009-2012											[#1]
625	Skoda	Octavia III	5E	154	2012-2017	Version without Keyless Entry.										[#1]
626	Skoda	Octavia III	5E	154	2012-2017	Version with Keyless Entry.										[#1]
627	Skoda	Octavia III FL		154	2017->	After facelift. (FL)										[#1]
628	Skoda	Rapid		73	2012-2015	After facelift. (FL)										[#1]
629	Skoda	Rapid		154	2015->											[#1]
630	Skoda	Roomster	5J	4	2006-2010											[#1]
631	Skoda	Roomster	5J	73	2010->	After facelift. (FL)										[#1]
632	Skoda	Superb I	3U	2	2001-2008											[#1]
633	Skoda	Superb II	3T	3	2008-2015											[#1]
634	Skoda	Superb III	3V	154	2015->											[#1]
635	Skoda	Yeti		3	2009->											[#1]
636	Smart	ForTwo	W453	153	2014->											[#1]
637	Smart	ForFour		86	2004-2006	Lin-bus										[#1]
638	Subaru	BRZ		143	2012->											[#1]
639	Subaru	Forester	SH	61	2008-2013	Version without Keyless Entry.										[#1]
640	Subaru	Forester	SH	75	2008-2013	Version with Keyless Entry.										[#1]
641	Subaru	Forester	SJ	161	2013-2016	Version with Keyless Entry.										[#1]
642	Subaru	Forester	SJ	161	2016-2017											[#1]
643	Subaru	Forester	SJ	161	2018->											[#1]
644	Subaru	Impreza	GR	61	2007-2012	Version without Keyless Entry.										[#1]
645	Subaru	Impreza	GR	75	2007-2012	Version with Keyless Entry.										[#1]
646	Subaru	Legacy	BP	75	2006-2009	Estate										[#1]
647	Subaru	Legacy	BL	78	2006-2009	Sedan										[#1]
648	Subaru	Legacy		75	2009-2014	Estate										[#1]
649	Subaru	Legacy		78	2009-2014	Sedan										[#1]
650	Subaru	Outback		75	2003-2009	Estate										[#1]
651	Subaru	Outback		78	2003-2009	Sedan										[#1]

* Coded pulse via dedicated wire
 ** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, CAN2 pins 6/14, [#4] CAN1 only CAN-H pin 9, [#5] CAN1 pins 1/9, [#6] CAN1 pins 6/14 may not work in cars manufactured after 2015

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL								
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN+ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR
652	Subaru	Outback	BR	239	2010-2013	Version without Keyless Entry.					1	1		+	[#1]
653	Subaru	Outback	BR	83	2010-2013	Version with Keyless Entry.	1	1							
654	Subaru	Outback	BR	162	2013-2015	With/without keyless	1	1			1	1		+	[#1]
655	Subaru	Outback	BS	161	2015-2017		1	1						+	[#1]
656	Subaru	Outback	BS	161	2017->		1	1							[#1]
657	Subaru	XV		229	2011->	Version without Keyless Entry.								+	[#1]
658	Subaru	XV		161	2015->	Version with Keyless Entry.	1	1							[#1]
659	Suzuki	Alto		81	2009->									+	[#1]
660	Suzuki	Baleno		163	2015->								1	+	[#1]
661	Suzuki	Celerio		81	2014->									+	[#1]
662	Suzuki	Grand Vitara III		44	2005-2009	Version with Keyless Entry.	1	1	1						[#1]
663	Suzuki	Grand Vitara III		81	2005-2009	Version without Keyless Entry.	1	1	1					+	[#1]
664	Suzuki	Ignis		163	2016->								1	+	[#1]
665	Suzuki	Splash		44	2008-2014	Version with Keyless Entry.	1	1	1						[#1]
666	Suzuki	Splash		81	2008-2014	Version without Keyless Entry.	1	1	1					+	[#1]
667	Suzuki	Swift	JP 4gen/6gen	163	2017->								1	+	[#1]
668	Suzuki	SX4		44	2006-2013	Version with Keyless Entry.	1	1	1						[#1]
669	Suzuki	SX4		81	2006-2013	Version without Keyless Entry.	1	1	1					+	[#1]
670	Suzuki	SX4		163	2013->		1	1	1					+	[#1]
671	Toyota	GT86	ZN6	142	2012->				1						[#1]
672	Toyota	Alphard		12	97	2008->	1	1	1	1		1			[#1]
673	Toyota	Aurion	NZT26	97	2007->		1	1	1			1			[#1]
674	Toyota	Auris	E15	97	2006-2012		1	1	1			1			[#1]
675	Toyota	Auris	E18	127	2012->		1	1	1						[#6]
676	Toyota	Avensis	T27	32	2009-2012		1	1	1			1			[#1]
677	Toyota	Avensis	T27	212	2012->	After facelift. (FL)	1	1	1			1			[#6]
678	Toyota	Aygo	KSP9	100	2006->		1	1	1			1			[#1]
679	Toyota	Blade	AZE15	97	2006->		1	1	1			1			[#1]
680	Toyota	C-HR		208	2016->		1	1	1						[#1]
681	Toyota	Camry	XV40	97	2006-2011		1	1	1			1			[#1]
682	Toyota	Corolla	E15	97	2006-2013		1	1	1			1			[#1]
683	Toyota	Corolla	E16	127	2012->		1	1	1						[#1]
684	Toyota	Corolla	E17	127	2013->		1	1	1						[#6]
685	Toyota	Corolla Axio		14	97	2006->	1	1	1			1			[#1]
686	Toyota	Corolla Fielder		14	97	2006->	1	1	1			1			[#1]
687	Toyota	Corolla Rumion		15	97	2007->	1	1	1			1			[#1]
688	Toyota	Crown	S200	100	2008-2012		1	1	1			1	1		[#1]
689	Toyota	Crown Hybrid	GWS20	100	2008->		1	1	1			1	1		[#1]
690	Toyota	Crown Majesta	S20	100	2008->		1	1	1			1	1		[#1]
691	Toyota	Estima		5	97	2006->	1	1	1			1			[#1]
692	Toyota	Estima Hybrid	AHR20	97	2006->		1	1	1			1			[#1]
693	Toyota	HiLux	AN120	127	2015->				1						[#1]
694	Toyota	Ist	NCP1	99	2007->		1		1						[#1]
695	Toyota	iQ	KGJ10	100	2008-2014		1	1	1			1			[#1]
696	Toyota	Land Cruiser	J200	98	2007-2017		1	1	1			1	1		[#1]
697	Toyota	Land Cruiser	J200	208	2018->		1	1	1						[#1]
698	Toyota	Land Cruiser Prado	J150	99	2009->		1	1	1			1			[#1]
699	Toyota	Mark X	x13	100	2009->		1	1	1			1			[#1]
700	Toyota	Mark X Zio		1	97	2007->	1	1	1			1			[#1]
701	Toyota	Noah		7	97	2007->	1	1	1			1			[#1]
702	Toyota	Premio		26	97	2007->	1	1	1			1			[#1]
703	Toyota	Prius	ZVW3#	97	2009-2016		1	1	1			1			[#1]
704	Toyota	Prius	ZVW3#	105	2009-2016		1	1	1			1			[#1]
705	Toyota	Prius	ZVW5#	208	2016->		1	1	1						[#1]
706	Toyota	ProAce		145	2016->									+	[#1]
707	Toyota	RAV4	ACA3	32	2005-2009		1		1			1			[#1]
708	Toyota	RAV4	ACA3	32	2009-2013		1		1			1			[#1]
709	Toyota	RAV4	XA40	127	2013-2016		1	1	1						[#1]
710	Toyota	RAV4	XA40	127	2016->	CAN-bus OBD connection is not allowed	1	1	1						[#1]
711	Toyota	Sai	AZK10	100	2009->		1	1	1			1	1		[#1]
712	Toyota	Urban Cruiser		32	2009->		1		1			1			[#1]
713	Toyota	Vanguard		14	32	2006->	1		1			1			[#1]
714	Toyota	Vanguard		14	97	2006->		1	1			1			[#1]
715	Toyota	Vellfire		12	97	2008->	1	1	1			1			[#1]
716	Toyota	Verso		48	2009->		1		1			1			[#1]
717	Toyota	Verso		212	2013->		1	1	1			1			[#6]
718	Toyota	Vitz	P9	32	2008->		1		1			1			[#1]
719	Toyota	Voxy		7	97	2007->	1	1	1			1			[#1]
720	Toyota	Wish	E2	97	2009->		1	1	1			1			[#1]
721	Toyota	Yaris	XP9	48	2006-2011		1		1			1			[#1]
722	Toyota	Yaris	XP13	127	2011->		1	1	1						[#6]
723	Toyota	Yaris	XP13	192	2011->	With deadlock	1	1	1						[#6]
724	Volkswagen	Amarok		73	2010->							1	1	1	
725	Volkswagen	Arteon		214	2017->		1					1	1		
726	Volkswagen	Bora	1J	1	1998-2001										
727	Volkswagen	Bora	1J	2	2001-2005		1	1	1	1		1	1	1	
728	Volkswagen	Caddy	2K	3	2004-2010		1	1	1	1		1	1	1	
729	Volkswagen	Caddy	2K	3	2010-2015		1	1	1	1		1	1	1	
730	Volkswagen	Caddy	2K	3	2015->		1	1	1	1		1	1	1	
731	Volkswagen	Caravelle	T5	4	2003-2010		1	1	1	1		1	1	1	
732	Volkswagen	Caravelle	T5GP	73	2010-214							1	1	1	
733	Volkswagen	Caravelle	T6	73	2014->							1	1	1	
734	Volkswagen	CC	3C	3	2012->		1	1	1	1		1	1	1	
735	Volkswagen	Crafter		16	2006-2017		1	1	1	1		1	1	1	
736	Volkswagen	Crafter		221	2017->		1					1	1	1	
737	Volkswagen	Eos	1F	3	2006-2010		1	1	1	1		1	1	1	
738	Volkswagen	Eos	1F	3	2010->		1	1				1	1	1	
739	Volkswagen	Golf IV	1J	1	1997-2001										
740	Volkswagen	Golf IV	1J	2	2001-2003		1	1				1			
741	Volkswagen	Golf IV	1J	238	2001-2003									+	
742	Volkswagen	Golf V	1K	3	2003-2009		1	1	1	1		1	1	1	
743	Volkswagen	Golf VI	1K	3	2008-2012		1	1				1	1	1	
744	Volkswagen	Golf VI	1K	129	2008-2012	Door lock control w/o dead lock	1	1				1	1	1	

** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 3/11, [#3] CAN1 pins 6/14, [#4] CAN1 pins 1/9, [#5] CAN1 pins 6/14, [#6] CAN1 pins 6/14 may not work in cars manufactured after 2015
 * Coded pulse via dedicated wire

LIST OF CARS FOR CAN-BUS FIRMWARE VERSION 1310

factory default - parameter 1 - level 3 309

NO	BRAND	MODEL	CODE	LEVEL CAN	YEAR	NOTE	CAN-BUS CONTROL									
							CENTRAL DOOR LOCKING	TRUNK RELEASE	HAZARD LIGHTS	POWER WINDOWS	BONNET	OEM ALARM	REVERSE GEAR SIGNAL	CAN-ANALOGUE ALARM FUNCTION	** CAN-BUS IN OBD CONNECTOR	
745	Volkswagen	Golf VII	AU	154	2012->	Version with Keyless Entry.	1					1	1			
746	Volkswagen	Golf VII	AU	154	2012->	Version without Keyless Entry.	1					1	1			
747	Volkswagen	Golf Plus	1K	3	2005-2009		1	1	1	1	1	1	1	1		
748	Volkswagen	Golf Plus	1K	3	2009->		1	1			1	1	1	1		
749	Volkswagen	Jetta V	1K	3	2005-2009		1	1	1	1	1	1	1	1		
750	Volkswagen	Jetta V	1K	3	2008-2010		1	1			1	1	1	1		
751	Volkswagen	Jetta VI	1B	3	2010->		1	1			1	1	1	1		
752	Volkswagen	Multivan	T5	4	2003-2010		1	1	1	1	1	1	1	1		
753	Volkswagen	Multivan	T5GP	73	2010-2014							1	1	1		
754	Volkswagen	Multivan	T6	73	2014->							1	1	1		
755	Volkswagen	New Beetle	1C/1Y/9C	1	1997-2001											
756	Volkswagen	New Beetle	1C/1Y/9C	2	2001-2011	If no CAN in comfort module use level 238	1	1			1	1				
757	Volkswagen	New Beetle	1C/1Y/9C	238	2001-2011										+	
758	Volkswagen	Passat B5	3B	1	1996-2000											
759	Volkswagen	Passat B5GP	3B	2	2000-2005		1	1			1	1				
760	Volkswagen	Passat B6	3C	3	2005-2009		1	1	1	1	1	1	1	1		
761	Volkswagen	Passat B6	3C	3	2008-2010		1	1			1	1	1	1		
762	Volkswagen	Passat B6	3C	129	2005-2009	Door lock control w/o dead lock	1	1	1	1	1	1	1	1		
763	Volkswagen	Passat B6	3C	129	2008-2010	Door lock control w/o dead lock	1	1			1	1	1	1		
764	Volkswagen	Passat B7	3C	3	2010-2015		1	1			1	1	1	1		
765	Volkswagen	Passat B8	B8	154	2015->		1				1	1	1	1		
766	Volkswagen	Passat CC	3C	3	2008->		1	1			1	1	1	1		
767	Volkswagen	Polo	9N	4	2001-2005		1	1	1	1	1	1	1	1		
768	Volkswagen	Polo	9N3	4	2005-2009	After facelift. (FL)			1			1	1			
769	Volkswagen	Polo	6R	73	2009-2014							1	1	1		
770	Volkswagen	Polo	6C	154	2014->		1					1	1	1		
771	Volkswagen	Scirocco	13	3	2008->		1	1			1	1	1	1		
772	Volkswagen	Sharan	7N	3	2010->		1	1			1	1	1	1		
773	Volkswagen	Phaeton	3D	20	2002->	If the doors are not detected set parameter 77	1	1	1	1	1	1	1	1		
774	Volkswagen	Phaeton	3D	77	2002->		1	1	1	1	1	1	1	1		
775	Volkswagen	Touareg	7L	20	2002-2010	If the doors are not detected set parameter 77	1	1	1	1	1	1	1	1		
776	Volkswagen	Touareg	7L	77	2002-2010		1	1	1	1	1	1	1	1		
777	Volkswagen	Touareg	7P5	104	2010->	Keyless trunk DO NOT unlock all doors	1	1			1	1	1	1		
778	Volkswagen	Touareg	7P5	106	2010->	Keyless trunk unlocks all doors	1	1			1	1	1	1		
779	Volkswagen	Touareg		214	2016->		1				1	1	1	1		
780	Volkswagen	Tiguan	5N	3	2007-2009		1	1	1	1	1	1	1	1		
781	Volkswagen	Tiguan	5N	3	2008-2011		1	1			1	1	1	1		
782	Volkswagen	Tiguan	5N	3	2011-2016		1	1			1	1	1	1		
783	Volkswagen	Tiguan		214	2016->		1				1	1	1	1		
784	Volkswagen	Tiguan Allspace		214	2017->		1				1	1	1	1		
785	Volkswagen	Touran	1T	3	2003-2006		1	1	1	1	1	1	1	1		
786	Volkswagen	Touran (GP)	1T	3	2006-2010		1	1	1	1	1	1	1	1		
787	Volkswagen	Touran (GP2)	1T	3	2010->		1	1			1	1	1	1		
788	Volkswagen	Transporter	T5	4	2003-2010		1	1	1	1	1	1	1	1		
789	Volkswagen	Transporter	T5GP	73	2010-2014							1	1	1		
790	Volkswagen	Transporter	T6	73	2014->							1	1	1		
791	Volkswagen	Up		73	2011->							1	1	1		
792	Volkswagen	Vento	6C	154	2014->		1					1	1			
793	Volvo	C30		157	2006-2012	If does not work use other Volvo levels										
794	Volvo	S40	M	26	2004-2012	If does not work use other Volvo levels									+	
795	Volvo	S60	P24	76	2000-2004	If does not work use other Volvo levels										
796	Volvo	S60	P24	38	2004-2009	If does not work use other Volvo levels										
797	Volvo	S60	P24	21	2004-2009	If does not work use other Volvo levels										
798	Volvo	S60	Y20	155	2010->	If does not work use other Volvo levels	1					1	1			
799	Volvo	S60	Y20	156	2010->	If does not work use other Volvo levels						1	1			
800	Volvo	S80	TS	24	2001-2005	If does not work use other Volvo levels	1	1								
801	Volvo	S80	TS	35	2001-2005	If does not work use other Volvo levels										
802	Volvo	S80	TS	21	2005-2009	If does not work use other Volvo levels										
803	Volvo	S80	AS	90	2009-2012	If does not work use other Volvo levels	1					1	1			
804	Volvo	S80 Facelift	AS	156	2012->	If does not work use other Volvo levels						1				
805	Volvo	V40		185	2012->		1									
806	Volvo	V50	M	26	2004-2007	If does not work use other Volvo levels									+	
807	Volvo	V50	M	157	2007-2012	If does not work use other Volvo levels									+	
808	Volvo	V60		155	2011->	If does not work use other Volvo levels	1					1	1			
809	Volvo	V70	P26	56	2000-2004	If does not work use other Volvo levels										
810	Volvo	V70	24	21	2005-2007	If does not work use other Volvo levels	1					1	1			
811	Volvo	V70	24	35	2005-2007	If does not work use other Volvo levels	1					1	1	1		
812	Volvo	V70	24	38	2005-2007	If does not work use other Volvo levels	1					1	1	1		
813	Volvo	V70	24	90	2007-2013	If does not work use other Volvo levels	1					1	1	1		
814	Volvo	V70		156	2013->	If does not work use other Volvo levels						1				
815	Volvo	XC60		90	2008-2013	If does not work use other Volvo levels	1					1	1			
816	Volvo	XC60		155	2013-2017	If does not work use other Volvo levels	1					1				
817	Volvo	XC60		156	2013-2017	If does not work use other Volvo levels						1				
818	Volvo	XC60		230	2017->							1	1			
819	Volvo	XC70	P2	24	2000-2004	If does not work use other Volvo levels										
820	Volvo	XC70	P2	35	2000-2004	If does not work use other Volvo levels										
821	Volvo	XC70	P2	21	2004-2007	If does not work use other Volvo levels										
822	Volvo	XC70	P2	35	2004-2007	If does not work use other Volvo levels										
823	Volvo	XC70	P24	90	2007-2013	If does not work use other Volvo levels	1					1	1			
824	Volvo	XC70		156	2013->	If does not work use other Volvo levels						1				
825	Volvo	XC90		34	2002-2005	If does not work use other Volvo levels	1	1								
826	Volvo	XC90		35	2002-2005	If does not work use other Volvo levels	1	1								
827	Volvo	XC90		56	2002-2005	If does not work use other Volvo levels	1	1								
828	Volvo	XC90		21	2005-2007	If does not work use other Volvo levels	1	1								
829	Volvo	XC90		90	2007-2012	If does not work use other Volvo levels	1					1	1			
830	Volvo	XC90		155	2012-2013		1					1				
831	Volvo	XC90		230	2015->							1	1			

* Coded pulse via dedicated wire
** OBD connection: [#1] CAN1 pins 6/14, [#2] CAN2 pins 6/14, [#3] CAN1 pins 3/11, [#4] CAN1 pins 6/14, [#5] CAN1 pins 1/9, [#6] CAN1 pins 6/14 may not work in cars manufactured after 2015