

[en]=> P/N 225238xx (CAN-Control DTC)

Function	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1) ABARTH 124 SPIDER																	
2) ABARTH 295																	
3) ABARTH 695																	
4) ACURA RDX																	
5) ACURA RDX																	
6) ACURA TL																	
7) ACURA TLX																	
8) ACURA TSX																	
9) ACURA TSX																	
10) ALFA ROMEO 159																	
11) ALFA ROMEO BRERA																	
12) ALFA ROMEO GIULIA																	
13) ALFA ROMEO GIULIETTA																	
14) ALFA ROMEO GIULIETTA																	
15) ALFA ROMEO GT																	
16) ALFA ROMEO MITO																	
17) ALFA ROMEO MITO																	



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Cars		Legend	
Model	Year	Program #	From
18) ALFA ROMEO STELVIO	year: 2018=>	program % 12234	from 2022-03-08
19) ASTON MARTIN DB11	year: 2017=>	program % 13668	from 2021-05-10
20) ASTON MARTIN VANTAGE V8	year: 2009=>	program % 11397	from 2017-09-01
21) AUDI A1 (GB) (Start-button)	year: 2019=>	program % 13112	from 2022-05-31
22) AUDI A1 (EX)	year: 2015=>	program % 11173	from 2017-09-01
23) AUDI A1 (EX)	year: 2010=>	program % 11173	from 2017-09-01
24) AUDI A3 (CV) (Automatic-transmission)	year: 2021=>	program % 13661	from 2021-11-16
25) AUDI A3 (CV) (Start-button)	year: 2021=>	program % 13662	from 2021-11-16
26) AUDI A3 (EV) (Start-button)	year: 2017=>	program % 13378	from 2022-06-10
27) AUDI A3 (EV) (Regular-key)	year: 2017=>	program % 13447	from 2022-05-31
28) AUDI A3 (EV) (Start-button)	year: 2015=>	program % 12423	from 2022-05-31
29) AUDI A3 (EV) (Regular-key)	year: 2015=>	program % 13441	from 2022-05-31
30) AUDI A3 (EV)	year: 2013=>	program % 11448	from 2022-05-31
31) AUDI A3 / S3 (BP)	year: 2010=>	program % 11173	from 2017-09-01
32) AUDI A3 / S3 (BP)	year: 2003=>	program % 11136	from 2017-09-01
33) AUDI A4 (F4)	year: 2018=>	program % 12979	from 2022-05-31
34) AUDI A4 (F4)	year: 2016=>	program % 11917	from 2022-05-31



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Cars		Legend	
Model	Year	Program #	From
137) BMW X5 (G85)	year: 2018-->	program # 12595	from 2022-06-22
138) BMW X5 (F15) (Immobilizer)	year: 2013-->	program # 12594	from 2021-07-20
139) BMW X5 (F70)	year: 2007-->	program # 11118	from 2020-11-19
140) BMW X5 (F70) (Keyless)	year: 2007-->	program # 11137	from 2020-11-19
141) BMW X5 (E53)	year: 1999-->	program # 11293	from 2020-11-19
142) BMW X6 (G06)	year: 2021-->	program # 13561	from 2021-07-21
143) BMW X6 (F16)	year: 2015-->	program # 12661	from 2021-07-20
144) BMW X6 (E71)	year: 2008-->	program # 11118	from 2020-11-19
145) BMW X6 (E71) (Keyless)	year: 2008-->	program # 11137	from 2020-11-19
146) BMW X7 (G07)	year: 2019-->	program # 12936	from 2021-07-21
147) BMW Z4 (E89)	year: 2009-->	program # 11118	from 2020-11-19
148) BMW Z4 (E89) (Keyless)	year: 2009-->	program # 11137	from 2020-11-19
149) BRILLIANCE H230	year: 2012-->	program # 11543	from 2017-09-01
150) BRILLIANCE H330	year: 2011-->	program # 11515	from 2017-09-01
151) BRILLIANCE V5 (Keyless)	year: 2013-->	program # 11515	from 2017-09-01
152) BUICK ENCORE	year: 2017-->	program # 12443	from 2020-12-14
153) BUICK ENCORE	year: 2012-->	program # 11243	from 2020-07-03



CARS		Legend	
Model	Year	Program	From
154) CADILLAC ATS	2013->	11425	2020-07-03
155) CADILLAC BLS	2006->	11126	2017-09-01
156) CADILLAC CTS (Coupe)	2010->	11227	2017-09-01
157) CADILLAC CTS	2008->	11227	2017-09-01
158) CADILLAC ESCALADE (GMT K2XL)	2015->	13248	2020-07-03
159) CADILLAC ESCALADE (GMT900)	2007->	11198	2017-09-01
160) CADILLAC SRX	2010->	11183	2021-06-21
161) CADILLAC SRX	2007->	11198	2017-09-01
162) CADILLAC STS	2008->	11229	2017-09-01
163) CADILLAC XT5	2017->	11884	2017-09-01
164) CHANGAN CS35	2013->	11512	2017-09-01
165) CHANGAN CS35 PLUS	2018->	12831	2019-09-26
166) CHANGAN EADO	2014->	11512	2017-09-01
167) CHERY A3 (M11) (Sedan)	2013->	11592	2017-09-01
168) CHERY A3 (M11) (Hatchback)	2013->	11592	2017-09-01
169) CHERY ARRIZO3	2015->	13558	2021-03-16
170) CHERY ARRIZO6	2019->	13676	2021-05-31

Legend: * - exceeding the speed specified by the sign; * - Speed limit with value

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Cars		Legend	
Model	Year	Program #	From
171) CHERY ARRIZO7 (Keyless)	year: 2015->	program № 11576	from 2021-06-17
172) CHERY BONUSE3 (ECLAIR)	year: 2013->	program № 11577	from 2017-09-01
173) CHERY INDIS (S18D)	year: 2014->	program № 11591	from 2017-09-01
174) CHERY TIGGO FL	year: 2014->	program № 11593	from 2017-09-01
175) CHERY TIGGO2	year: 2021->	program № 13725	from 2021-06-17
176) CHERY TIGGO2	year: 2018->	program № 12289	from 2021-06-17
177) CHERY TIGGO3	year: 2018->	program № 12288	from 2018-04-18
178) CHERY TIGGO5	year: 2014->	program № 11576	from 2021-06-17
179) CHERY TIGGO5 (Keyless)	year: 2014->	program № 11576	from 2021-06-17
180) CHERY TIGGO7 PRO	year: 2020->	program № 13899	from 2022-02-04
181) CHERY TIGGO8 PRO	year: 2021->	program № 14129	from 2022-02-04
182) CHEVROLET AYO (T300)	year: 2017->	program № 13919	from 2021-11-26
183) CHEVROLET AYO (T300)	year: 2011->	program № 11243	from 2020-07-03
184) CHEVROLET BLAZER	year: 2019->	program № 13328	from 2020-09-09
185) CHEVROLET CAMARO V1	year: 2016->	program № 13427	from 2020-11-20
186) CHEVROLET CAMARO V	year: 2014->	program № 11586	from 2017-09-01
187) CHEVROLET CAPTIVA	year: 2022->	program № 13933	from 2021-11-27



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Cars		Legend	
Model	Year	Program #	From
205) CHEVROLET SUBURBAN	year: 2007->	program № 11687	from 2017-09-01
206) CHEVROLET TAHOE	year: 2021->	program № 13974	from 2022-01-18
207) CHEVROLET TAHOE (Keyless)	year: 2015->	program № 11584	from 2017-09-01
208) CHEVROLET TAHOE	year: 2008->	program № 11198	from 2017-09-01
209) CHEVROLET TRACKER	year: 2020->	program № 13968	from 2021-12-22
210) CHEVROLET TRAILBLAZER	year: 2012->	program № 11243	from 2020-07-03
211) CHEVROLET TRAX	year: 2013->	program № 11243	from 2020-07-03
212) CHRYSLER 200S	year: 2015->	program № 12597	from 2021-12-09
213) CHRYSLER 300 II (Keyless)	year: 2011->	program № 11332	from 2017-09-01
214) CHRYSLER 300C	year: 2005->	program № 11116	from 2017-09-01
215) CHRYSLER GRAND VOYAGER (RT)	year: 2011->	program № 11245	from 2017-09-01
216) CHRYSLER GRAND VOYAGER (RT)	year: 2008->	program № 11135	from 2017-09-01
217) CHRYSLER GRAND VOYAGER (RT)	year: 2008->	program № 11245	from 2017-09-01
218) CHRYSLER PACIFICA (RU)	year: 2021->	program № 13758	from 2021-06-17
219) CHRYSLER PACIFICA (RU)	year: 2017->	program № 12477	from 2019-11-26
220) CHRYSLER PT CRUISER	year: 2006->	program № 11116	from 2017-09-01
221) CHRYSLER SEBRING (S)	year: 2007->	program № 11116	from 2017-09-01



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Model	Year	Program %	From	To	Features	Icons
239) CITROEN C3	2010->	11143	2020-03-24		Ignition, Key inserted, Key removed, Engine is working, Engine is working on ENG, Handbrake, Reverse, Status of the hazard warning lights switch, Front left door, Front right door, Rear left door, Rear right door, Brake cover, Steering wheel lock, Electric parking brake, HV battery charging, Electric engine working, Car locked with the factory remote, Central locking status, Battery alarm, Immobilized alarm, Original remote - OPEN, Original remote - CLOSE, The original remote of the car - Resuming the original remote of the car - Open trunk, The original remote of the car - Open trunk, Reverse, Neutral, Drive, Engine is working on LPG, Blinking lights, Wipped headlights, Full beam headlights, Rear fog lights, Front fog lights, Rear door lock, Lock status, Lock status (lock), Total mileage of this vehicle (in allbrand), Vehicle mileage - (consumed), Total fuel consumption, Total fuel consumption - (consumed), Fuel level (in percent), Fuel level (in liters), Engine speed (RPM), Engine temperature, Vehicle speed, Vehicle speed (average), Vehicle speed (in km/h), Vehicle speed (in mph), Acceleration pedal position, VIN number, HV battery level, Total CHG use, Total CHG consumption, Total CHG level (in percent), Total CHG level (in kilograms), Vehicle range, Vehicle's range on HV battery, Vehicle's range on HV battery (in kilometers), Vehicle's range on HV battery (in miles), Time to the end of the HV battery charge, Total CHG use, Total CHG use - (consumed), Total CHG level (in percent), Total CHG level (in kilograms), Floor compartment temperature, Active year number, Floor stage speed limit, HV battery pack voltage, HV battery pack voltage (in V), Maximum HV battery cell voltage, Reading DTC ECU, Erasing DTC ECU, Erasing DTC ECM, Reading DTC ABS, Erasing DTC ABS, Reading DTC SRS, Erasing DTC SRS, Reading DTC TCM, Erasing DTC TCM, Reading DTC BCM, Erasing DTC BCM, Reading DTC machines, Erasing DTC machines, Reading DTC IW BATTERY, Erasing DTC IW BATTERY, Reading DTC IV BATTERY, Erasing DTC IV BATTERY, Reading DTC HYBRID SYSTEM, Erasing DTC HYBRID SYSTEM, Alternative control of central locking, All doors lock, All doors unlock, Alternative control (central locking), Center lock when talks on, Alternative turn signal control, Turn signal control, Horn control, Center clearance, Speed limit with value, Exceeding the speed specified by the sign - Speed limit with value	
240) CITROEN C3	2010->	11193	2020-03-24			
241) CITROEN C3	2006->	11143	2017-09-01			
242) CITROEN C3	2006->	11193	2017-09-01			
243) CITROEN C3 AIRCROSS	2018->	13175	2020-04-29			
244) CITROEN C3 PICASSO	2009->	11143	2020-03-24			
245) CITROEN C3 PICASSO	2009->	11193	2020-03-24			
246) CITROEN C3 PICASSO	2009->	11192	2017-09-01			
247) CITROEN C4	2021->	13626	2021-03-26			
248) CITROEN C4 (SPACETOURER)	2019->	13171	2020-04-24			
249) CITROEN C4	2015->	12325	2020-03-24			
250) CITROEN C4 (EXCLUSIVE)	2013->	11298	2020-03-24			
251) CITROEN C4	2013->	11298	2020-03-24			
252) CITROEN C4 (SEDUCTION)	2013->	11298	2020-03-24			
253) CITROEN C4	2011->	11298	2020-03-24			
254) CITROEN C4	2007->	11143	2020-03-24			
255) CITROEN C4	2007->	11193	2020-03-24			

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Model	Year	Program #	From	Speed limit
290 CITROEN NEMO	2008->	12966	2020-01-15	
291 CITROEN SPACETOURER	2017->	11949	2020-03-24	
292 CITROEN XSARA PICASSO	2004->	11292	2017-09-01	
293 CUPRA FORMENTOR (3RD)	2021->	13486	2022-01-14	
294 DACIA DOKKER	2018->	13653	2021-04-16	
295 DACIA DOKKER	2012->	11574	2017-09-01	
296 DACIA DUSTER (Start-button)	2022->	13851	2021-10-04	
297 DACIA DUSTER (Regular-key)	2018->	12217	2020-05-26	
298 DACIA DUSTER (Start-button)	2018->	13584	2021-03-19	
299 DACIA DUSTER (LPG) (Start-button)	2018->	13585	2021-03-23	
300 DACIA DUSTER (LPG) (Regular-key)	2018->	13586	2020-05-26	
301 DACIA DUSTER	2014->	11574	2017-09-01	
302 DACIA DUSTER	2010->	11283	2017-09-01	
303 DACIA JOGGER (Keyless)	2022->	14186	2022-04-07	
304 DACIA LODGY	2012->	11574	2017-09-01	
305 DACIA LODGY STEPWAY	2017->	13573	2021-03-24	
306 DACIA LOGAN (HD) (LPG)	2021->	13732	2022-04-07	



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Model	Year	Program	From	Ignition	Power	Engine	Transmission	ABS	ESP	ASR	Stability	Steering	Brake	Chassis	Body	Interior	Infotainment	Service	
358) FIAT DUCATO (EURO 6) (250)	2022->	13853	2021-12-31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
359) FIAT DUCATO (EURO 6) (250)	2020->	13258	2022-06-22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
360) FIAT DUCATO (EURO 6) (250)	2017->	12213	2019-05-29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
361) FIAT DUCATO (EURO 5 PLUS) (250)	2014->	12677	2019-05-29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
362) FIAT DUCATO (250)	2011->	12675	2019-05-29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
363) FIAT DUCATO (250) (RussianMarket)	2011->	11129	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
364) FIAT DUCATO NATURAL POWER	2011->	11881	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
365) FIAT DUCATO (250)	2006->	11129	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
366) FIAT FIORINO (225)	2016->	12681	2019-05-29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
367) FIAT FIORINO (225)	2008->	11127	2019-04-10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
368) FIAT FREEMONT (IC-49)	2011->	11332	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
369) FIAT FULLBACK	2016->	12266	2018-04-11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
370) FIAT GRANDE PUNTO	2009->	11127	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
371) FIAT GRANDE PUNTO	2006->	11127	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
372) FIAT LINEA (323)	2007->	11146	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
373) FIAT PANDA (112)	2020->	16241	2022-05-31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
374) FIAT PANDA H (169)	2004->	11112	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*



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Cars		Legend	
Model	Year	Program	From
409) FORD EXPLORER (U625)	year: 2020=>	program % 14111	from 2022-01-12
410) FORD EXPLORER (U502)	year: 2016=>	program % 11843	from 2021-12-30
411) FORD EXPLORER (U502)	year: 2011=>	program % 11424	from 2021-12-31
412) FORD F150	year: 2021=>	program % 13883	from 2021-12-30
413) FORD F150	year: 2015=>	program % 12664	from 2021-12-30
414) FORD F250 SUPER DUTY	year: 2008=>	program % 11456	from 2017-09-01
415) FORD FIESTA	year: 2020=>	program % 13754	from 2021-12-30
416) FORD FIESTA (ST)	year: 2018=>	program % 13276	from 2021-12-30
417) FORD FIESTA (HFRH)	year: 2017=>	program % 12795	from 2021-12-30
418) FORD FIESTA (TITANIUM)	year: 2017=>	program % 12209	from 2021-12-30
419) FORD FIESTA (TREND)	year: 2013=>	program % 11175	from 2017-09-01
420) FORD FIESTA (TITANIUM)	year: 2013=>	program % 11846	from 2022-06-02
421) FORD FIESTA (JAB)	year: 2009=>	program % 11175	from 2017-09-01
422) FORD FIESTA (JBJH)	year: 2006=>	program % 12895	from 2019-11-27
423) FORD FIGO	year: 2018=>	program % 13989	from 2022-01-24
424) FORD FOCUS (ST)	year: 2019=>	program % 12793	from 2021-12-30
425) FORD FOCUS (HBMH/HP)	year: 2019=>	program % 12836	from 2021-12-30



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CARS		Legend	
Model	Year	Program #	From
443 FORD GALAXY (WAG)	2010->	11133	2021-09-15
444 FORD GALAXY (WAG)	2006->	11133	2021-09-15
445 FORD GRAND C-MAX (TITANIUM)	2015->	11276	2021-09-15
446 FORD GRAND C-MAX (DXA)	2010->	11276	2021-09-15
447 FORD Ka (RUB)	2009->	11194	2017-09-01
448 FORD Ka + (UK)	2017->	12258	2021-12-30
449 FORD Ka+ ACTIVE (UK)	2018->	12834	2021-12-30
450 FORD KUGA (MFP)	2020->	13281	2021-12-30
451 FORD KUGA (MA)	2018->	12797	2021-12-30
452 FORD KUGA (MA)	2017->	11809	2021-12-30
453 FORD KUGA (MA)	2013->	11276	2021-09-15
454 FORD KUGA (DM2)	2008->	11121	2017-09-01
455 FORD MONDEO (MK V) (Hybrid)	2020->	13282	2021-12-30
456 FORD MONDEO (MK V)	2019->	12798	2021-12-30
457 FORD MONDEO (MK V)	2015->	11624	2021-12-30
458 FORD MONDEO (MK V)	2015->	11711	2021-12-30
459 FORD MONDEO (BD/BE/BG)	2011->	11133	2021-09-15



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Cars		Legend	
Model	Year	Program #	From
460 FORD MONDEO (BD/BE/BC)	2007->	11133	2021-09-15
461 FORD MONDEO YGNALÉ	2015->	11624	2021-12-30
462 FORD MUSTANG	2019->	11195	2021-12-30
463 FORD MUSTANG	2015->	11867	2021-08-10
464 FORD MUSTANG SHELBY GT500	2012->	11450	2017-09-01
465 FORD MUSTANG	2010->	11281	2017-09-01
466 FORD MUSTANG (GT)	2007->	11396	2017-09-01
467 FORD PUMA (R2)	2020->	13322	2021-12-30
468 FORD RANGER (T8)	2019->	12785	2022-05-16
469 FORD RANGER (T6)	2015->	11866	2021-12-30
470 FORD RANGER (T6)	2012->	11462	2021-12-08
471 FORD S-MAX (CJ)	2020->	13323	2021-12-30
472 FORD S-MAX (CJ)	2015->	11711	2021-12-30
473 FORD S-MAX (WS)	2010->	11133	2021-09-15
474 FORD S-MAX (WS)	2007->	11133	2021-09-15
475 FORD TOURNEO	2007->	11247	2017-09-01
476 FORD TOURNEO CONNECT	2019->	13435	2021-12-30



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Model	Year	Program #	From	Ignition	Key	Door	Window	Engine	Oil	Temp	Speed	Brake	ABS	SRS	ECM	ECU	Other
528) HONDA ACCORD (Keyless)	2013->	11169	2020-06-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
529) HONDA ACCORD (Coupe)	2008->	11169	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*
530) HONDA ACCORD	2008->	14137	2022-02-23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
531) HONDA ACCORD	2006->	12176	2017-12-29	*	*	*	*	*	*	*	*	*	*	*	*	*	*
532) HONDA BR-V (RHD)	2015->	12531	2020-06-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
533) HONDA BRIO SATYA (RHD)	2013->	12528	2020-06-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
534) HONDA CITY	2009->	11113	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*
535) HONDA CIVIC (X)	2020->	13206	2020-07-14	*	*	*	*	*	*	*	*	*	*	*	*	*	*
536) HONDA CIVIC (X)	2016->	13386	2020-10-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
537) HONDA CIVIC (X)	2014->	11732	2020-06-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
538) HONDA CIVIC (X) (Keyless)	2014->	11732	2020-06-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
539) HONDA CIVIC (X) (Keyless)	2012->	11345	2020-06-15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
540) HONDA CIVIC (X)	2012->	11972	2020-06-09	*	*	*	*	*	*	*	*	*	*	*	*	*	*
541) HONDA CIVIC (VII)	2009->	13320	2020-09-28	*	*	*	*	*	*	*	*	*	*	*	*	*	*
542) HONDA CIVIC (VII)	2006->	11113	2017-09-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*
543) HONDA CR-V (V)	2020->	13969	2021-12-23	*	*	*	*	*	*	*	*	*	*	*	*	*	*
544) HONDA CR-V (V) (Hybrid) (Keyless)	2020->	14283	2022-07-14	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Exceeding the speed specified by the sign - Speed limit with value

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Signal	Signal description	Year	Program #	From	To
Ignition	Ignition	2017->	11971	2020-06-15	
Key fob received	Key fob received	2017->	11971	2020-06-15	
Engine is working	Engine is working	2017->	11971	2020-06-15	
Handbrake	Handbrake	2017->	11971	2020-06-15	
Front left door	Front left door	2017->	11971	2020-06-15	
Front right door	Front right door	2017->	11971	2020-06-15	
Brake	Brake	2017->	11971	2020-06-15	
EV battery charging	EV battery charging	2017->	11971	2020-06-15	
Car locked with the factory remote	Car locked with the factory remote	2017->	11971	2020-06-15	
Central locking status	Central locking status	2017->	11971	2020-06-15	
Emergency alarm	Emergency alarm	2017->	11971	2020-06-15	
Original remote - CLOSE	Original remote - CLOSE	2017->	11971	2020-06-15	
Original remote - OPEN	Original remote - OPEN	2017->	11971	2020-06-15	
Original remote of the car - Resuming	Original remote of the car - Resuming	2017->	11971	2020-06-15	
Original remote of the car - Open trunk	Original remote of the car - Open trunk	2017->	11971	2020-06-15	
Reverse	Reverse	2017->	11971	2020-06-15	
Neutral	Neutral	2017->	11971	2020-06-15	
Drive	Drive	2017->	11971	2020-06-15	
Engine is working on LPG	Engine is working on LPG	2017->	11971	2020-06-15	
Working lights	Working lights	2017->	11971	2020-06-15	
Blurred headlights	Blurred headlights	2017->	11971	2020-06-15	
Full beam headlights	Full beam headlights	2017->	11971	2020-06-15	
Rear fog lights	Rear fog lights	2017->	11971	2020-06-15	
Front fog lights	Front fog lights	2017->	11971	2020-06-15	
Open trunk	Open trunk	2017->	11971	2020-06-15	
Let's start the car	Let's start the car	2017->	11971	2020-06-15	
Total mileage of this vehicle (odometer)	Total mileage of this vehicle (odometer)	2017->	11971	2020-06-15	
Vehicle mileage - counter	Vehicle mileage - counter	2017->	11971	2020-06-15	
Total fuel consumption	Total fuel consumption	2017->	11971	2020-06-15	
Low level (in percent)	Low level (in percent)	2017->	11971	2020-06-15	
High level (in percent)	High level (in percent)	2017->	11971	2020-06-15	
Engine speed (RPM)	Engine speed (RPM)	2017->	11971	2020-06-15	
Engine temperature	Engine temperature	2017->	11971	2020-06-15	
Vehicle speed	Vehicle speed	2017->	11971	2020-06-15	
Vehicle speed (km/h)	Vehicle speed (km/h)	2017->	11971	2020-06-15	
Latitude (in Dec)	Latitude (in Dec)	2017->	11971	2020-06-15	
Acceleration pedal position	Acceleration pedal position	2017->	11971	2020-06-15	
VIN number	VIN number	2017->	11971	2020-06-15	
EV battery level	EV battery level	2017->	11971	2020-06-15	
Total CHG use	Total CHG use	2017->	11971	2020-06-15	
Total CHG consumption	Total CHG consumption	2017->	11971	2020-06-15	
CHG level (in percent)	CHG level (in percent)	2017->	11971	2020-06-15	
CHG level (in kilogram)	CHG level (in kilogram)	2017->	11971	2020-06-15	
Vehicle range	Vehicle range	2017->	11971	2020-06-15	
Vehicle's range on EV battery	Vehicle's range on EV battery	2017->	11971	2020-06-15	
Time to the end of the EV battery charge	Time to the end of the EV battery charge	2017->	11971	2020-06-15	
CHG level (in hour)	CHG level (in hour)	2017->	11971	2020-06-15	
Total CHG use	Total CHG use	2017->	11971	2020-06-15	
Total CHG use - counter 0	Total CHG use - counter 0	2017->	11971	2020-06-15	
CHG level (in percent)	CHG level (in percent)	2017->	11971	2020-06-15	
CHG level (in kilogram)	CHG level (in kilogram)	2017->	11971	2020-06-15	
Floor compartment temperature	Floor compartment temperature	2017->	11971	2020-06-15	
Active year number	Active year number	2017->	11971	2020-06-15	
EV battery pack voltage	EV battery pack voltage	2017->	11971	2020-06-15	
EV battery pack current	EV battery pack current	2017->	11971	2020-06-15	
Maximum EV battery cell voltage	Maximum EV battery cell voltage	2017->	11971	2020-06-15	
Reading DTC ECM	Reading DTC ECM	2017->	11971	2020-06-15	
Erasing DTC ECM	Erasing DTC ECM	2017->	11971	2020-06-15	
Reading DTC ABS	Reading DTC ABS	2017->	11971	2020-06-15	
Erasing DTC ABS	Erasing DTC ABS	2017->	11971	2020-06-15	
Reading DTC SRS	Reading DTC SRS	2017->	11971	2020-06-15	
Erasing DTC SRS	Erasing DTC SRS	2017->	11971	2020-06-15	
Reading DTC TCM	Reading DTC TCM	2017->	11971	2020-06-15	
Erasing DTC TCM	Erasing DTC TCM	2017->	11971	2020-06-15	
Reading DTC BSM	Reading DTC BSM	2017->	11971	2020-06-15	
Erasing DTC BSM	Erasing DTC BSM	2017->	11971	2020-06-15	
Reading DTC machines	Reading DTC machines	2017->	11971	2020-06-15	
Erasing DTC machines	Erasing DTC machines	2017->	11971	2020-06-15	
Reading DTC IV BATTERY	Reading DTC IV BATTERY	2017->	11971	2020-06-15	
Erasing DTC IV BATTERY	Erasing DTC IV BATTERY	2017->	11971	2020-06-15	
Reading DTC IV BATTERY	Reading DTC IV BATTERY	2017->	11971	2020-06-15	
Erasing DTC IV BATTERY	Erasing DTC IV BATTERY	2017->	11971	2020-06-15	
Reading DTC IV BATTERY SYSTEM	Reading DTC IV BATTERY SYSTEM	2017->	11971	2020-06-15	
Erasing DTC IV BATTERY SYSTEM	Erasing DTC IV BATTERY SYSTEM	2017->	11971	2020-06-15	
Alternative control of central locking	Alternative control of central locking	2017->	11971	2020-06-15	
All doors lock	All doors lock	2017->	11971	2020-06-15	
All doors unlock	All doors unlock	2017->	11971	2020-06-15	
Alternative control of central locking	Alternative control of central locking	2017->	11971	2020-06-15	
Center lock when talks on	Center lock when talks on	2017->	11971	2020-06-15	
Alternative turn signal control	Alternative turn signal control	2017->	11971	2020-06-15	
Turn signal control	Turn signal control	2017->	11971	2020-06-15	
Home control	Home control	2017->	11971	2020-06-15	
Center clearance	Center clearance	2017->	11971	2020-06-15	
Speed limit with value	Speed limit with value	2017->	11971	2020-06-15	
Exceeding the speed specified by the sign	Exceeding the speed specified by the sign	2017->	11971	2020-06-15	
Speed limit with value	Speed limit with value	2017->	11971	2020-06-15	

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Icon	Function	Year	Program #	From	Icon	Function	Year	Program #	From
	Ignition					Fuel level			
	Fuel level					Engine warning			
	Engine warning					Handbrake			
	Handbrake					Front left door			
	Front left door					Front right door			
	Front right door					Trunk cover			
	Trunk cover					Electric cable connected			
	Electric cable connected					HV battery charging			
	HV battery charging					Electric engine working			
	Electric engine working					Car locked with the factory remote			
	Car locked with the factory remote					Factory alarm			
	Factory alarm					Emergency alarm			
	Emergency alarm					Original remote - CLOSE			
	Original remote - CLOSE					Original remote - OPEN			
	Original remote - OPEN					The original remote of the car - Resuming			
	The original remote of the car - Resuming					The original remote of the car - Open trunk			
	The original remote of the car - Open trunk					Reverse			
	Reverse					Neutral			
	Neutral					Drive			
	Drive					Engine is working on LPG			
	Engine is working on LPG					Parking lights			
	Parking lights					Blurred headlights			
	Blurred headlights					Full beam headlights			
	Full beam headlights					Power seat lights			
	Power seat lights					Power door lock			
	Power door lock					Power window lock			
	Power window lock					Lock all the lock			
	Lock all the lock					Total mileage of this vehicle (odometer)			
	Total mileage of this vehicle (odometer)					Vehicle mileage - counted			
	Vehicle mileage - counted					Total fuel consumption - (counted)			
	Total fuel consumption - (counted)					Fuel level (in percent)			
	Fuel level (in percent)					Fuel level (in liters)			
	Fuel level (in liters)					Engine speed (RPM)			
	Engine speed (RPM)					Engine temperature			
	Engine temperature					The speed			
	The speed					The speed (average)			
	The speed (average)					Latitude (in Dec)			
	Latitude (in Dec)					Acceleration pedal position			
	Acceleration pedal position					VIN number			
	VIN number					HV battery level			
	HV battery level					Total CHG use			
	Total CHG use					Total CHG consumption			
	Total CHG consumption					CHG level (in percent)			
	CHG level (in percent)					CHG level (in kilograms)			
	CHG level (in kilograms)					Vehicle range			
	Vehicle range					Vehicle's range on HV battery			
	Vehicle's range on HV battery					The end of the HV battery charge			
	The end of the HV battery charge					CHG level (in bars)			
	CHG level (in bars)					Total CHG use			
	Total CHG use					Total CHG use - (counted)			
	Total CHG use - (counted)					CHG level (in percent)			
	CHG level (in percent)					CHG level (in kilograms)			
	CHG level (in kilograms)					Floor compartment temperature			
	Floor compartment temperature					Active year number			
	Active year number					Floor speed limit			
	Floor speed limit					HV battery pack voltage			
	HV battery pack voltage					Maximum HV battery cell voltage			
	Maximum HV battery cell voltage					Reading DTC ECU			
	Reading DTC ECU					Erasing DTC ECU			
	Erasing DTC ECU					Reading DTC ABS			
	Reading DTC ABS					Erasing DTC ABS			
	Erasing DTC ABS					Reading DTC SRS			
	Reading DTC SRS					Erasing DTC SRS			
	Erasing DTC SRS					Reading DTC TCM			
	Reading DTC TCM					Erasing DTC TCM			
	Erasing DTC TCM					Reading DTC BSM			
	Reading DTC BSM					Erasing DTC BSM			
	Erasing DTC BSM					Reading DTC machines			
	Reading DTC machines					Erasing DTC machines			
	Erasing DTC machines					Reading DTC HV BATTERY			
	Reading DTC HV BATTERY					Erasing DTC HV BATTERY			
	Erasing DTC HV BATTERY					Reading DTC IV BATTERY			
	Reading DTC IV BATTERY					Erasing DTC IV BATTERY			
	Erasing DTC IV BATTERY					Reading DTC IV BIRD SYSTEM			
	Reading DTC IV BIRD SYSTEM					Erasing DTC IV BIRD SYSTEM			
	Erasing DTC IV BIRD SYSTEM					Alternative control of central locking			
	Alternative control of central locking					All doors lock			
	All doors lock					All doors unlock			
	All doors unlock					The system control (central locking)			
	The system control (central locking)					Center lock when talks on			
	Center lock when talks on					Alternative turn signal control			
	Alternative turn signal control					Turn signal control			
	Turn signal control					Horn control			
	Horn control					Center clearance			
	Center clearance					Speed limit with value			
	Speed limit with value					Exceeding the speed specified by the sign - Speed limit with value			

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CARS		Legend	
Model	Year	Program #	From
630 HYUNDAI 145 SONATA	2011->	11244	2017-09-01
631 HYUNDAI IONIQ (AE) (Hybrid)	2017->	12175	2022-06-29
632 HYUNDAI i20 (JC)	2015->	11829	2017-09-01
633 HYUNDAI i20 (JC)	2018->	11244	2017-09-01
634 HYUNDAI i35 (Keyless)	2013->	11635	2017-09-01
635 HYUNDAI i35	2013->	11635	2017-09-01
636 HYUNDAI i35	2018->	11635	2017-09-01
637 HYUNDAI i35 (Keyless)	2018->	11635	2017-09-01
638 HYUNDAI i35	2009->	11152	2017-09-01
639 HYUNDAI KONA (OS)	2021->	13566	2021-03-19
640 HYUNDAI KONA (OS) (Hybrid)	2020->	13177	2020-05-26
641 HYUNDAI KONA (OS) (Keyless) (USA Market)	2018->	13251	2020-06-10
642 HYUNDAI KONA (OS) (Keyless)	2018->	12211	2020-06-10
643 HYUNDAI PALISADE	2020->	13931	2022-02-10
644 HYUNDAI SANTA FE (TM) (Hybrid) (Keyless)	2021->	13533	2021-02-11
645 HYUNDAI SANTA FE (TM)	2021->	14146	2022-02-21
646 HYUNDAI SANTA FE (TM) (Keyless)	2019->	12553	2020-07-07



CARS		Legend	
Model	Year	Program #	Start
<p>647 HYUNDAI SANTA FE (DM) (Keyless)</p> <p>year: 2013<=> program # 11386 from 2017-09-01</p>			
<p>648 HYUNDAI SANTA FE (DM)</p> <p>year: 2013<=> program # 11426 from 2017-09-01</p>			
<p>649 HYUNDAI SOLARIS (ACTIVE PLUS)</p> <p>year: 2017<=> program # 12121 from 2021-05-13</p>			
<p>650 HYUNDAI SOLARIS (COMFORT)</p> <p>year: 2017<=> program # 11925 from 2017-09-01</p>			
<p>651 HYUNDAI SOLARIS</p> <p>year: 2015<=> program # 11236 from 2017-09-01</p>			
<p>652 HYUNDAI SOLARIS (Keyless)</p> <p>year: 2015<=> program # 11572 from 2017-09-01</p>			
<p>653 HYUNDAI SOLARIS (Keyless)</p> <p>year: 2011<=> program # 11296 from 2017-09-01</p>			
<p>654 HYUNDAI SONATA (DM)</p> <p>year: 2020<=> program # 12914 from 2020-07-03</p>			
<p>655 HYUNDAI SONATA (LF)</p> <p>year: 2018<=> program # 12634 from 2019-03-27</p>			
<p>656 HYUNDAI SONATA (LF) (Hybrid)</p> <p>year: 2016<=> program # 13173 from 2020-04-28</p>			
<p>657 HYUNDAI STARIA</p> <p>year: 2021<=> program # 13844 from 2021-12-20</p>			
<p>658 HYUNDAI TUCSON (IV)</p> <p>year: 2021<=> program # 13538 from 2021-03-10</p>			
<p>659 HYUNDAI TUCSON (IV) (Hybrid) (Regular-key)</p> <p>year: 2021<=> program # 13517 from 2021-03-17</p>			
<p>660 HYUNDAI TUCSON (IV) (Hybrid) (Start-button)</p> <p>year: 2021<=> program # 13688 from 2021-05-27</p>			
<p>661 HYUNDAI TUCSON (III) (Keyless)</p> <p>year: 2019<=> program # 13178 from 2020-05-26</p>			
<p>662 HYUNDAI TUCSON (III)</p> <p>year: 2019<=> program # 13191 from 2021-07-16</p>			
<p>663 HYUNDAI TUCSON (III) (Keyless)</p> <p>year: 2016<=> program # 11669 from 2020-05-26</p>			

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CARS		Legend	
Model	Year	Program #	From
664 HYUNDAI TUCSON (III)	2016->	11821	2021-07-16
665 HYUNDAI VELOSTER (I) (KiaNiss)	2011->	11416	2017-09-01
666 HYUNDAI VENUE	2020->	13914	2021-11-25
667 HYUNDAI VERNA	2020->	13987	2022-01-17
668 INFINITI EX35 / EX37 / EX50	2010->	11249	2021-09-09
669 INFINITI EX35 / EX37 / EX50	2008->	11216	2021-09-09
670 INFINITI FX300	2012->	11249	2021-09-09
671 INFINITI FX35 / FX37 / FX50	2010->	11249	2021-09-09
672 INFINITI FX35 / FX37 / FX50	2008->	11216	2021-09-09
673 INFINITI G25 / G35 / G37	2010->	11249	2021-09-09
674 INFINITI G25 / G35 / G37	2007->	11216	2021-09-09
675 INFINITI JX35	2012->	11387	2021-09-09
676 INFINITI M35 / M35s / M45	2008->	11187	2017-09-01
677 INFINITI M37 / M37s / M56 / M56s (EuropeMarket)	2010->	11297	2021-09-09
678 INFINITI M37s (USA Market)	2010->	11297	2021-09-09
679 INFINITI Q30	2016->	11838	2017-09-01
680 INFINITI Q50 (Hyundai)	2010->	13775	2021-08-11



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Cars		Legend	
Model	Year	Program #	From
698 IVECO DAILY (EURO 6)	2020->	12896	2021-07-22
699 IVECO DAILY (EURO 6)	2017->	12277	2021-02-02
700 IVECO DAILY (EURO 6) (RDE)	2017->	12277	2019-12-03
701 IVECO DAILY (EURO 5)	2011->	11346	2020-02-02
702 IVECO DAILY (EURO 4)	2006->	11269	2017-09-01
703 IVECO DAILY (EURO 3)	2001->	11222	2019-03-18
704 JAC S3	2017->	12551	2018-12-10
705 JAGUAR E-PACE (X540)	2021->	13791	2021-09-02
706 JAGUAR E-PACE (X540)	2018->	12885	2021-12-10
707 JAGUAR F-PACE (X761)	2021->	13789	2021-09-02
708 JAGUAR F-PACE (X761)	2019->	12884	2020-07-15
709 JAGUAR F-PACE (X761)	2016->	12857	2021-12-10
710 JAGUAR F-TYPE (X152)	2017->	12777	2021-12-10
711 JAGUAR F-TYPE (X152)	2013->	11233	2019-11-19
712 JAGUAR XE (X760)	2020->	12939	2020-07-15
713 JAGUAR XE (X760)	2018->	12574	2020-07-15
714 JAGUAR XE (X760)	2015->	12856	2021-12-10



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CARS	Legend		DTCs	
	+	-	+	-
732 JEEP GLADIATOR (JT)	+	-	+	-
733 JEEP GRAND CHEROKEE (WK2)	+	-	+	-
734 JEEP GRAND CHEROKEE (WK2)	+	-	+	-
735 JEEP GRAND CHEROKEE (WK2)	+	-	+	-
736 JEEP GRAND CHEROKEE (WHWK)	+	-	+	-
737 JEEP GRAND CHEROKEE (WHWK)	+	-	+	-
738 JEEP LAREDO	+	-	+	-
739 JEEP PATRIOT	+	-	+	-
740 JEEP RENEGADE (BU)	+	-	+	-
741 JEEP RENEGADE (BU) (Keyless)	+	-	+	-
742 JEEP RENEGADE (BU) (Keyless)	+	-	+	-
743 JEEP RENEGADE (BU)	+	-	+	-
744 JEEP WRANGLER (JL)	+	-	+	-
745 JEEP WRANGLER (JK)	+	-	+	-
746 JEEP WRANGLER (JK)	+	-	+	-
747 KIA CADENZA (Keyless)	+	-	+	-
748 KIA CARENS (BP)	+	-	+	-



Model	Year	Program #	Start Date	End Date	Speed Limit	Notes
766 KIA CERATO (III)	2013->	11412	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
	2013->	11412	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
767 KIA CERATO (II)	2010->	11479	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
	2010->	11479	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
768 KIA K3 (III) (KoreanMarket)	2018->	13559	2021-03-18		120	Exceeding the speed specified by the sign - Speed limit with value
	2018->	13559	2021-03-18		120	Exceeding the speed specified by the sign - Speed limit with value
769 KIA K5 (DL3) (Hybrid)	2021->	13671	2021-05-11		120	Exceeding the speed specified by the sign - Speed limit with value
	2021->	13671	2021-05-11		120	Exceeding the speed specified by the sign - Speed limit with value
770 KIA K5 (DL3) (Keyless)	2020->	13232	2020-06-18		120	Exceeding the speed specified by the sign - Speed limit with value
	2020->	13232	2020-06-18		120	Exceeding the speed specified by the sign - Speed limit with value
771 KIA K7 (IV) (KoreanMarket)	2020->	13226	2020-08-24		120	Exceeding the speed specified by the sign - Speed limit with value
	2020->	13226	2020-08-24		120	Exceeding the speed specified by the sign - Speed limit with value
772 KIA K800 (II)	2018->	12646	2020-06-19		120	Exceeding the speed specified by the sign - Speed limit with value
	2018->	12646	2020-06-19		120	Exceeding the speed specified by the sign - Speed limit with value
773 KIA MAGENTIS	2009->	11236	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
	2009->	11236	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
774 KIA MOHAVE (II) (M2)	2018->	12645	2021-07-16		120	Exceeding the speed specified by the sign - Speed limit with value
	2018->	12645	2021-07-16		120	Exceeding the speed specified by the sign - Speed limit with value
775 KIA MOHAVE (II) (Keyless)	2011->	11478	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
	2011->	11478	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
776 KIA MOHAVE (I) (M)	2009->	11232	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
	2009->	11232	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
777 KIA MORNING (JA) (BETA)	2018->	13311	preliminary		120	Exceeding the speed specified by the sign - Speed limit with value
	2018->	13311	preliminary		120	Exceeding the speed specified by the sign - Speed limit with value
778 KIA NIRO (IE) (Hybrid)	2020->	13285	2020-08-18		120	Exceeding the speed specified by the sign - Speed limit with value
	2020->	13285	2020-08-18		120	Exceeding the speed specified by the sign - Speed limit with value
779 KIA NIRO (IE) (Hybrid)	2016->	11813	2020-02-03		120	Exceeding the speed specified by the sign - Speed limit with value
	2016->	11813	2020-02-03		120	Exceeding the speed specified by the sign - Speed limit with value
780 KIA OPIRUS	2004->	11234	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
	2004->	11234	2017-09-01		120	Exceeding the speed specified by the sign - Speed limit with value
781 KIA OPTIMA (JF) (Keyless)	2018->	13283	2020-06-17		120	Exceeding the speed specified by the sign - Speed limit with value
	2018->	13283	2020-06-17		120	Exceeding the speed specified by the sign - Speed limit with value
782 KIA OPTIMA (JF) (Keyless)	2016->	13267	2019-09-20		120	Exceeding the speed specified by the sign - Speed limit with value
	2016->	13267	2019-09-20		120	Exceeding the speed specified by the sign - Speed limit with value

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Car	Year	Program	From	Function				
834 KIA SPORTAGE	year: 2008->	program % 11236	from 2017-09-01	Ignition				
				Key insert				
				Key lost				
				Engine is working on CAN				
				Handbrake				
				Reverse				
				Status of the hazard warning lights switch				
				Front left door				
				Front right door				
				Rear left door				
				Rear right door				
				Brake				
				Trunk cover				
				Trunk lock (lock)				
				Trunk lock (unlock)				
				Electric cable connected				
835 KIA STINGER	year: 2021->	program % 11365	from 2021-03-02	EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				836 KIA STINGER	year: 2018->	program % 12434	from 2020-08-12	EV battery charging
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
837 KIA STONIC (Keyless)	year: 2021->	program % 13367	from 2021-03-03					EV battery charging
								EV battery charging
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				EV battery charging				
				838 KIA STONIC	year: 2021->	program % 13783	from 2021-08-24	EV battery charging
								EV battery charging
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
EV battery charging								
839 KIA STONIC	year: 2017->	program % 12435	from 2018-08-21					EV battery charging
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				840 KIA VENGA	year: 2015->	program % 11236	from 2017-09-01	EV battery charging
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841 KIA VENGA	year: 2012->	program % 11236	from 2017-09-01					EV battery charging
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				842 KIA VENGA (Keyless)	year: 2018->	program % 11271	from 2017-09-01	EV battery charging
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843 KIA XCEED	year: 2020->	program % 13257	from 2020-07-10					EV battery charging
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				844 LADA GRANTA	year: 2019->	program % 13231	from 2020-06-18	EV battery charging
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845 LADA GRANTA	year: 2012->	program % 11461	from 2017-09-01					EV battery charging
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				846 LADA GRANTA VTS	year: 2014->	program % 11461	from 2017-09-01	EV battery charging
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847 LADA KALINA	year: 2014->	program % 11461	from 2017-09-01					EV battery charging
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				848 LADA LARGUS	year: 2012->	program % 12619	from 2021-09-28	EV battery charging
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849 LADA LARGUS CROSS	year: 2012->	program % 11796	from 2017-09-01					EV battery charging
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				850 LADA PRIORA	year: 2015->	program % 11461	from 2017-09-01	EV battery charging
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Exceeding the speed specified by the sign - Speed limit with value

[en] => P/N 225238xx (CAN-Control DTC)

Cars		Legend	
Model	Year	Program	From
851) LADA VESTA (SW CROSS)	2018->	12245	2018-03-01
852) LADA VESTA	2015->	11609	2017-09-01
853) LADA X-RAY	2016->	11574	2017-09-01
854) LANCIA DELTA	2008->	11129	2017-09-01
855) LANCIA MUSA	2007->	11129	2017-09-01
856) LANCIA PIEDRA	2007->	11143	2017-09-01
857) LANCIA PIEDRA	2007->	11193	2017-09-01
858) LANCIA THEMA (Keyless)	2011->	11332	2017-09-01
859) LANCIA YPSILON	2011->	11127	2017-09-01
860) LANCIA YPSILON	2006->	11129	2017-09-01
861) LAND ROVER DEFENDER (L663)	2021->	13787	2021-09-02
862) LAND ROVER DEFENDER (L316)	2012->	11647	2019-11-19
863) LAND ROVER DISCOVERY 3 (L319)	2006->	11199	2019-11-19
864) LAND ROVER DISCOVERY 4 (L319)	2010->	11231	2019-11-19
865) LAND ROVER DISCOVERY 5 (L462)	2021->	13797	2021-09-02
866) LAND ROVER DISCOVERY 5 (L462)	2019->	12889	2021-09-02
867) LAND ROVER DISCOVERY 5 (L462)	2017->	11899	2021-12-10



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CARS		Legend	
Model	Year	Program #	From
868 LAND ROVER DISCOVERY SPORT (L550)	year: 2021<=>	program # 13539	from 2021-09-02
869 LAND ROVER DISCOVERY SPORT (L550)	year: 2020<=>	program # 12883	from 2020-07-15
870 LAND ROVER DISCOVERY SPORT (L550)	year: 2015<=>	program # 12854	from 2021-12-10
871 LAND ROVER FREELANDER 2 (L359)	year: 2013<=>	program # 11446	from 2021-12-10
872 LAND ROVER FREELANDER 2 (L359)	year: 2007<=>	program # 11214	from 2019-11-19
873 LAND ROVER LR2 (L359)	year: 2007<=>	program # 11214	from 2019-11-19
874 LAND ROVER LR4 (L319)	year: 2010<=>	program # 13839	from 2021-10-22
875 LAND ROVER RANGE ROVER (L405)	year: 2018<=>	program # 12887	from 2021-09-02
876 LAND ROVER RANGE ROVER (L405)	year: 2014<=>	program # 11445	from 2021-12-10
877 LAND ROVER RANGE ROVER (L405)	year: 2013<=>	program # 11233	from 2019-11-19
878 LAND ROVER RANGE ROVER (L322)	year: 2010<=>	program # 12855	from 2021-10-22
879 LAND ROVER RANGE ROVER (L322)	year: 2006<=>	program # 11233	from 2019-11-19
880 LAND ROVER RANGE ROVER EVOQUE (L551)	year: 2021<=>	program # 13781	from 2021-09-02
881 LAND ROVER RANGE ROVER EVOQUE (L551)	year: 2019<=>	program # 12882	from 2020-07-15
882 LAND ROVER RANGE ROVER EVOQUE (L538)	year: 2017<=>	program # 12745	from 2021-12-10
883 LAND ROVER RANGE ROVER EVOQUE (L538)	year: 2014<=>	program # 11446	from 2021-12-10
884 LAND ROVER RANGE ROVER EVOQUE (L538)	year: 2011<=>	program # 13318	from 2021-12-10



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CARS		Legend	
Model	Year	Program #	From
885) LAND ROVER RANGE ROVER SPORT (L494)	2018->	12429	2021-09-01
886) LAND ROVER RANGE ROVER SPORT (L494)	2017->	11849	2021-12-10
887) LAND ROVER RANGE ROVER SPORT (L494)	2016->	11607	2021-12-10
888) LAND ROVER RANGE ROVER SPORT (L494)	2014->	11445	2021-12-10
890) LAND ROVER RANGE ROVER SPORT (L320)	2019->	11252	2021-10-22
890) LAND ROVER RANGE ROVER SPORT (L320)	2006->	11199	2019-11-19
891) LAND ROVER RANGE ROVER VELAR (L560)	2021->	13779	2021-09-02
892) LAND ROVER RANGE ROVER VELAR (L560)	2017->	12154	2020-07-15
893) LAND ROVER RANGE ROVER VOGUE (L405)	2018->	12241	2019-11-19
894) LAND ROVER RANGE ROVER VOGUE (L405)	2014->	11445	2021-12-10
895) LAND ROVER RANGE ROVER VOGUE (L322)	2006->	11213	2017-09-01
896) LEXUS CT (Hybrid)	2018->	13193	2020-09-01
897) LEXUS CT (Hybrid)	2011->	11138	2017-09-01
898) LEXUS ES (Hybrid)	2022->	13885	2022-04-25
899) LEXUS ES (Hybrid)	2019->	13192	2022-04-25
900) LEXUS ES (Hybrid)	2013->	11338	2017-09-01
901) LEXUS ES	2013->	11338	2017-09-01



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Model	Year	Program #	From	To	Notes
953) MAZDA DELIVER 9	2019	14128	2022-02-10		
954) MABACH 62	2002	14119	2022-03-21		
955) MAZDA 2 (DD)	2020	11938			
956) MAZDA 2 (DE)	2007	11195	2021-12-31		
957) MAZDA 2 (NC)	2002	11667	2017-09-01		
958) MAZDA 3 (BF)	2019	12782	2021-12-31		
959) MAZDA 3 (BN)	2016	12832	2021-12-31		
960) MAZDA 3 (BM) (RSHD)	2014	12833	2020-06-09		
961) MAZDA 3 (BM)	2014	11339	2020-06-09		
962) MAZDA 3 (BL)	2009	11195	2017-09-01		
963) MAZDA 3 (BK)	2003	11121	2017-09-01		
964) MAZDA 5 (CW)	2011	13429	2020-11-30		
965) MAZDA 5 (CB)	2006	11228	2017-09-01		
966) MAZDA 6 (GL)	2017	13196	2022-01-14		
967) MAZDA 6 (GD)	2013	11339	2020-06-09		
968) MAZDA 6 (GP) (EcoBoost)	2013	11239	2020-06-09		
969) MAZDA 6 (GB)	2008	11641	2017-09-01		

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CARS		Legend	
Model	Year	Program No.	From
970 MAZDA 6 (GG / CY)	2005->	11337	2017-09-01
971 MAZDA BT-50 (TY)	2021->	13923	2021-12-10
972 MAZDA BT-50 (UR)	2016->	13936	2021-12-08
973 MAZDA CX3 (GX)	2016->	11946	2020-06-09
974 MAZDA CX3 (DM)	2020->	13638	2021-12-31
975 MAZDA CX3 (RF)	2022->	13939	2022-01-14
976 MAZDA CX3 (RF)	2021->	13693	2022-01-14
977 MAZDA CX5 (KE) (Keyless)	2017->	11973	2020-06-09
978 MAZDA CX3 (RF)	2017->	12447	2022-01-03
979 MAZDA CX5 (KE)	2015->	11339	2020-06-09
980 MAZDA CX5 (KE)	2012->	11339	2020-06-09
981 MAZDA CX5 (KE) (Keyless)	2012->	11339	2020-06-09
982 MAZDA CX7 (ER)	2007->	11151	2017-09-01
983 MAZDA CX9 (TC)	2016->	12164	2022-01-03
984 MAZDA CX9 (TB)	2013->	11151	2017-09-01
985 MAZDA CX9 (TB)	2007->	11151	2017-09-01
986 MAZDA MX5 (NC)	2005->	11195	2017-09-01



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Cars		Legend	
Model	Year	Program #	From
987 MERCEDES A (177)	year: 2018<=>	program # 13649	from 2021-08-25
988 MERCEDES A (176)	year: 2013<=>	program # 11399	from 2017-09-01
989 MERCEDES A (169)	year: 2004<=>	program # 11162	from 2017-09-01
990 MERCEDES A (168)	year: 1997<=>	program # 11266	from 2017-09-01
991 MERCEDES B (247)	year: 2019<=>	program # 13645	from 2021-08-25
992 MERCEDES B (246)	year: 2012<=>	program # 11399	from 2017-09-01
993 MERCEDES B (245)	year: 2005<=>	program # 11162	from 2017-09-01
994 MERCEDES C (205) (BHD)	year: 2018<=>	program # 12791	from 2021-08-25
995 MERCEDES C (205)	year: 2018<=>	program # 12859	from 2021-08-25
996 MERCEDES C (205) (Cable)	year: 2016<=>	program # 13198	from 2020-06-02
997 MERCEDES C (205)	year: 2014<=>	program # 11485	from 2019-05-15
998 MERCEDES C (204)	year: 2007<=>	program # 11242	from 2020-06-18
999 MERCEDES C (203)	year: 2001<=>	program # 11159	from 2017-09-01
1000 MERCEDES CITAN (420)	year: 2022<=>	program # 14115	from 2022-04-20
1001 MERCEDES CITAN (415)	year: 2017<=>	program # 12247	from 2018-03-06
1002 MERCEDES CITAN (415)	year: 2012<=>	program # 11174	from 2021-09-09
1003 MERCEDES CL (216)	year: 2007<=>	program # 13876	from 2021-10-26



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CARS		Legend	
Model	Year	Program #	From
10380 MERCEDES GLE (167) (Coupe)	2020->	13785	2021-08-25
10379 MERCEDES GLE (167)	2019->	12934	2021-08-25
10400 MERCEDES GLE (166)	2016->	13246	2020-07-03
10411 MERCEDES GLE (292) (Coupe)	2016->	11686	2017-09-01
10423 MERCEDES GLK (204)	2012->	11141	2021-04-01
10433 MERCEDES GLK (204)	2008->	11141	2021-04-01
10444 MERCEDES GLS (167)	2020->	13651	2021-08-25
10453 MERCEDES GLS (166)	2016->	11686	2017-09-01
10466 MERCEDES GT 63S (290)	2019->	13489	2021-08-25
10473 MERCEDES METRIS (PG2)	2016->	13591	2021-03-12
10480 MERCEDES ML (164)	2012->	11442	2020-12-08
10499 MERCEDES ML (164)	2005->	11117	2019-04-23
10500 MERCEDES ML (163)	1998->	11246	2017-09-01
10511 MERCEDES R (251)	2006->	11117	2017-09-01
10523 MERCEDES S (223)	2023->	13733	2021-07-21
10531 MERCEDES S (222)	2018->	12118	2021-08-25
10540 MERCEDES S (217) (Coupe)	2015->	12663	2019-05-15



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Cars		Legend	
Model	Year	Program	From
1072) MERCEDES SPRINTER (904)	year: 2001->	program % 11246	from 2017-09-01
1073) MERCEDES SPRINTER (903)	year: 2001->	program % 11246	from 2017-09-01
1074) MERCEDES V (447)	year: 2014->	program % 11521	from 2017-09-01
1075) MERCEDES VIANO (639)	year: 2011->	program % 11164	from 2017-09-01
1076) MERCEDES VIANO (639)	year: 2003->	program % 11164	from 2017-09-01
1077) MERCEDES VITO (447)	year: 2019->	program % 13735	from 2021-08-25
1078) MERCEDES VITO (447)	year: 2014->	program % 11856	from 2017-09-01
1079) MERCEDES VITO (639)	year: 2011->	program % 11164	from 2017-09-01
1080) MERCEDES VITO (639)	year: 2003->	program % 11164	from 2017-09-01
1081) MERCEDES X (476)	year: 2017->	program % 12448	from 2021-03-01
1082) MG 360 (UAE Market)	year: 2019->	program % 13393	from 2020-10-29
1083) MG 5 (UAE Market)	year: 2020->	program % 13318	from 2020-09-04
1084) MG ZS (UAE Market)	year: 2019->	program % 13231	from 2020-09-21
1085) MINI CLUBMAN (F54)	year: 2020->	program % 13262	from 2022-04-11
1086) MINI CLUBMAN (F54)	year: 2015->	program % 11724	from 2020-11-19
1087) MINI COOPER (F55)	year: 2020->	program % 13261	from 2022-04-11
1088) MINI COOPER (F55)	year: 2015->	program % 11724	from 2020-11-19



Model	Year	Program	From	To
11233 MITSUBISHI PAJERO SPORT	2013->	11179	2017-09-01	
11240 MITSUBISHI PAJERO SPORT (RHD)	2013->	12548	2018-11-15	
11250 MITSUBISHI PAJERO SPORT	2008->	11179	2017-09-01	
11260 MITSUBISHI SPACE STAR	2014->	11618	2017-11-16	
11270 MITSUBISHI TRITON (RHD)	2016->	12544	2018-11-13	
11280 NISSAN 350Z	2006->	11216	2021-09-09	
11290 NISSAN 350Z (Z33)	2004->	11728	2017-09-01	
11300 NISSAN ALTIMA	2007->	11216	2021-09-09	
11310 NISSAN CUBE	2010->	11259	2021-09-09	
11320 NISSAN EVALIA (RHD)	2012->	12549	2018-11-15	
11320 NISSAN FRONTIER (D23)	2020->	13983	2021-12-20	
11340 NISSAN FRONTIER (D23) (Keyless)	2020->	13926	2021-12-20	
11350 NISSAN GT-R	2013->	12748	2021-09-09	
11360 NISSAN INTERSTAR	2006->	11224	2017-09-01	
11370 NISSAN JUKE (F16)	2020->	13121	2022-05-10	
11380 NISSAN JUKE (F16) (RHD/Black)	2020->	13428	2022-04-07	
11390 NISSAN JUKE (F15)	2018->	12543	2018-11-09	

Cars													
Icon	Function
1571 NISSAN NAVARA													
year: 2005-> program % 11139 from 2021-09-09													
1578 NISSAN NAVARA NP300 (D22)													
year: 2013-> program % 12972 from 2020-01-24													
1579 NISSAN NOTE (Keyless)													
year: 2013-> program % 11259 from 2021-09-09													
1460 NISSAN NOTE													
year: 2013-> program % 11259 from 2021-09-09													
1461 NISSAN NOTE													
year: 2006-> program % 11145 from 2017-09-01													
1462 NISSAN NOTE (Keyless)													
year: 2006-> program % 11186 from 2017-09-01													
1463 NISSAN NP300 (D22)													
year: 2008-> program % 11548 from 2017-09-01													
1464 NISSAN NP400													
year: 2014-> program % 12271 from 2018-04-09													
1465 NISSAN NY200 EVALIA													
year: 2013-> program % 11259 from 2021-09-09													
1466 NISSAN NY200													
year: 2009-> program % 11145 from 2017-09-01													
1467 NISSAN PATHFINDER (R52) (Keyless)													
year: 2015-> program % 11387 from 2021-09-09													
1468 NISSAN PATHFINDER (R52) (Hybrid) (Keyless)													
year: 2014-> program % 12236 from 2018-02-27													
1469 NISSAN PATHFINDER (Keyless) (USA Market)													
year: 2006-> program % 12237 from 2018-02-27													
1470 NISSAN PATHFINDER (USA Market)													
year: 2006-> program % 12238 from 2018-02-27													
1471 NISSAN PATROL (R62)													
year: 2015-> program % 13997 from 2022-01-17													
1472 NISSAN PATROL													
year: 2011-> program % 11279 from 2017-09-01													
1473 NISSAN PRIMASTAR													
year: 2006-> program % 11224 from 2017-09-01													

Exceeding the speed specified by the sign - Speed limit with value

[en]=> P/N 225238xx (CAN-Control DTC)

Symbol	Function	Year	Program No.	From
⚠	Ignition			
⚠	Key inserted			
⚠	Key removed			
⚠	Engine is working on CAN			
⚠	Handbrake			
⚠	Status of the hazard warning light switch			
⚠	Front left door			
⚠	Door left door			
⚠	Door right door			
⚠	Door			
⚠	Trunk cover			
⚠	Trunk cover (rear)			
⚠	Electric parking brake			
⚠	EV battery charging			
⚠	Electric engine working			
⚠	Car is locked with the factory remote			
⚠	Central locking status			
⚠	Factory alarm			
⚠	Immobilizer alarm			
⚠	Original remote - CLOSE			
⚠	Original remote - OPEN			
⚠	The original remote of the car - Resuming			
⚠	The original remote of the car - Open trunk			
⚠	The lock			
⚠	Reverse			
⚠	Neutral			
⚠	Drive			
⚠	Engine is working on DTC			
⚠	Warning lights			
⚠	Winged headlights			
⚠	Full beam headlights			
⚠	Rear fog lights			
⚠	Front fog lights			
⚠	Low beam headlights			
⚠	Left mirror (fold)			
⚠	Left mirror (lock)			
⚠	Right mirror (fold)			
⚠	Right mirror (lock)			
⚠	Vehicle mileage - (counter)			
⚠	Vehicle mileage - (consumed)			
⚠	Initial fuel consumption			
⚠	Current fuel consumption - (consumed)			
⚠	Fuel level (in percent)			
⚠	Fuel level (in liters)			
⚠	Engine speed (RPM)			
⚠	Engine temperature			
⚠	Vehicle speed			
⚠	Vehicle speed (average)			
⚠	Latch level (in liters)			
⚠	Acceleration pedal position			
⚠	VIN number			
⚠	EV battery level			
⚠	EV battery use			
⚠	EV battery consumption			
⚠	CNG level (in percent)			
⚠	CNG level (in kilograms)			
⚠	Vehicle range			
⚠	Vehicle's range on EV battery			
⚠	Vehicle's range on CNG			
⚠	Time to the end of the EV battery charge			
⚠	CNG level (in bars)			
⚠	Initial CNG use - (count 0)			
⚠	CNG level (in percent)			
⚠	CNG level (in kilograms)			
⚠	Door compartment temperature			
⚠	Active year number			
⚠	Door status speed limit			
⚠	EV battery pack voltage			
⚠	EV battery pack current			
⚠	Maximum EV battery cell voltage			
⚠	Minimum EV battery cell voltage			
⚠	Reading DTC ECU			
⚠	Erasing DTC ECU			
⚠	Reading DTC ABS			
⚠	Erasing DTC ABS			
⚠	Reading DTC SRS			
⚠	Erasing DTC SRS			
⚠	Reading DTC TCM			
⚠	Erasing DTC TCM			
⚠	Reading DTC BCM			
⚠	Erasing DTC BCM			
⚠	Reading DTC ESP			
⚠	Erasing DTC ESP			
⚠	Reading DTC machines			
⚠	Erasing DTC machines			
⚠	Reading DTC HV BATTERY			
⚠	Erasing DTC HV BATTERY			
⚠	Reading DTC IV BATTERY			
⚠	Erasing DTC IV BATTERY			
⚠	Reading DTC HYBRID SYSTEM			
⚠	Erasing DTC HYBRID SYSTEM			
⚠	Alternative control of central locking			
⚠	All doors lock			
⚠	All doors unlock			
⚠	Alternative control (central locking)			
⚠	Center lock when talks on			
⚠	Alternative turn signal control			
⚠	Turn signal control			
⚠	Home control			
⚠	Center change			
⚠	Speed limit with value			
⚠	Exceeding the speed specified by the sign - Speed limit with value			

1174 NISSAN PREMSTAR	year: 2001+>	program № 11224	from 2017-09-01
1175 NISSAN PULSAR (C13)	year: 2014+>	program № 11466	from 2017-09-01
1176 NISSAN QASHQAI (Q12)	year: 2022+>	program № 13718	from 2022-05-10
1177 NISSAN QASHQAI (Q11) (RHD)	year: 2017+>	program № 12784	from 2019-08-22
1178 NISSAN QASHQAI (Q11)	year: 2017+>	program № 12324	from 2021-05-19
1179 NISSAN QASHQAI (Q11)	year: 2014+>	program № 11466	from 2017-09-01
1180 NISSAN QASHQAI	year: 2007+>	program № 11139	from 2021-09-09
1181 NISSAN QASHQAI (Keyless)	year: 2007+>	program № 11147	from 2021-09-09
1182 NISSAN QASHQAI +2	year: 2009+>	program № 11139	from 2021-09-09
1183 NISSAN QASHQAI +2 (Keyless)	year: 2009+>	program № 11147	from 2021-09-09
1184 NISSAN ROGUE	year: 2007+>	program № 11174	from 2021-09-09
1185 NISSAN SENTRA (B17)	year: 2014+>	program № 11297	from 2021-09-09
1186 NISSAN TEANA (Q23) (Keyless)	year: 2014+>	program № 11267	from 2017-09-01
1187 NISSAN TEANA (Q32)	year: 2011+>	program № 11216	from 2021-09-09
1188 NISSAN TEANA (Q32)	year: 2008+>	program № 11216	from 2021-09-09
1189 NISSAN TERRANO	year: 2014+>	program № 11283	from 2017-09-01
1190 NISSAN THIDA	year: 2007+>	program № 11145	from 2017-09-01

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Model	Year	Program #	From	Function
11911 NISSAN TIIDA (Keyless)	2007->	11186	2017-09-01	Ignition, Pass lock-out, Immobilizer, Engine is working on CAN, Handbrake, Reverse, Status of the hazard warning lights switch, Front left door, Rear left door, Rear right door, Brake cover, Fuel gauge (fuel), Fuel gauge cable connected, HV battery charging, Electric engine working, Car locked with the factory remote, Central locking status, Battery alarm, Immobilized alarm, Original remote - CLOSE, Original remote - OPEN, The original remote of the car - Resuming the original remote of the car - Open trunk, The key, Reverse, Neutral, Drive, Engine is working on LPG, Blinking lights, Wiped headlights, Full beam headlights, Rear fog lights, Front fog lights, Turn signal left, Turn signal right, Left mirror lock, Total mileage of this vehicle (dashboard), Vehicle mileage - (counted), Total fuel consumption, Total fuel consumption - (counted), Fuel level (in percent), Fuel level (in liters), Engine speed (RPM), Engine temperature, Vehicle speed, Vehicle speed (km/h), Latihan feet (in liter), Acceleration pedal position, VIN number, HV battery level, Total CAN use, Total CAN consumption, CAN level (in percent), CAN level (in kilograms), Vehicle range, Vehicle's range on HV battery, Time to the end of the HV battery charge, CAN level (in bars), Total CAN use, Total CAN use - (counted), CAN level (in percent), CAN level (in kilograms), Floor compartment temperature, Active year number, Road sign speed limit, HV battery pack voltage, HV battery pack temperature, Maximum HV battery cell voltage, Reading DTC ECM, Erasing DTC ECM, Reading DTC ABS, Erasing DTC ABS, Reading DTC SRS, Erasing DTC SRS, Reading DTC TCM, Erasing DTC TCM, Reading DTC BCM, Erasing DTC BCM, Reading DTC ESP, Erasing DTC ESP, Reading DTC machines, Erasing DTC machines, Reading DTC IW BATTERY, Erasing DTC IW BATTERY, Reading DTC IV BATTERY, Erasing DTC IV BATTERY, Reading DTC IVDRIVE SYSTEM, Erasing DTC IVDRIVE SYSTEM, Alternative control of central locking, All doors lock, All doors unlock, Alternative control of central locking, Center lock when talk on, Alternative turn signal control, Turn signal control, Horn control, Center clearance, Speed limit with value, Exceeding the speed specified by the sign, Speed limit with value
11912 NISSAN TITAN	2004->	11259	2021-09-09	
11913 NISSAN URVAN (E26)	2018->	13996	2021-01-14	
11914 NISSAN V-DRIVE (N17) (Keyless)	2019->	13995	2021-01-12	
11915 NISSAN VERSA (N18) (Keyless)	2021->	13991	2021-01-18	
11916 NISSAN WINGROAD (I12)	2006->	11147	2021-09-09	
11971 NISSAN X-TRAIL (T32)	2017->	12125	2021-05-19	
11980 NISSAN X-TRAIL (T32)	2014->	11468	2017-09-01	
11999 NISSAN X-TRAIL	2010->	11139	2021-09-09	
12000 NISSAN X-TRAIL (Keyless)	2010->	11147	2021-09-09	
12011 NISSAN X-TRAIL	2007->	11139	2021-09-09	
12021 NISSAN X-TRAIL (Keyless)	2007->	11147	2021-09-09	
12031 OPEL ADAM	2013->	11181	2021-06-21	
12040 OPEL ANTARA	2007->	11149	2017-09-01	
12051 OPEL ASTRA K	2020->	11377	2021-03-01	
12061 OPEL ASTRA K	2016->	11834	2020-07-03	
12071 OPEL ASTRA J	2010->	11183	2021-06-21	

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CARS		Legend	
Model	Year	Program No.	From
12080 OPEL ASTRA H GTC	year: 2006=>	program № 11184	from 2017-09-01
12090 OPEL ASTRA H	year: 2006=>	program № 11184	from 2017-09-01
12100 OPEL COMBO E	year: 2019=>	program № 12728	from 2021-05-25
12110 OPEL COMBO D	year: 2012=>	program № 11127	from 2017-09-01
12120 OPEL COMBO C	year: 2006=>	program № 11322	from 2017-09-01
12130 OPEL CORSA F	year: 2020=>	program № 13213	from 2020-05-15
12140 OPEL CORSA E	year: 2016=>	program № 11243	from 2020-07-03
12150 OPEL CORSA D	year: 2011=>	program № 11354	from 2017-09-01
12160 OPEL CORSA D	year: 2009=>	program № 11354	from 2017-09-01
12170 OPEL CORSA D	year: 2006=>	program № 11354	from 2017-09-01
12180 OPEL CROSSLAND	year: 2021=>	program № 13575	from 2021-02-24
12190 OPEL CROSSLAND X	year: 2018=>	program № 12348	from 2019-09-24
12200 OPEL GRANDLAND	year: 2020=>	program № 14239	from 2022-06-27
12210 OPEL GRANDLAND X	year: 2017=>	program № 12347	from 2020-03-24
12220 OPEL INSIGNIA A SPORTS TOURER	year: 2014=>	program № 11453	from 2017-09-01
12230 OPEL INSIGNIA A	year: 2014=>	program № 11453	from 2017-09-01
12240 OPEL INSIGNIA A	year: 2009=>	program № 11183	from 2021-06-21



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Cars		Legend	
Model	Year	Program #	From
12253 OPEL INSIGNIA B	2021->	program # 13578	from 2021-03-04
12256 OPEL INSIGNIA B	2017->	program # 12341	from 2020-07-03
12271 OPEL KARL	2016->	program # 13212	from 2020-07-03
12280 OPEL MERIVA B	2014->	program # 11183	from 2021-06-21
12290 OPEL MERIVA B	2010->	program # 11183	from 2021-06-21
12300 OPEL MOKKA (B)	2021->	program # 13757	from 2021-08-17
12311 OPEL MOKKA	2012->	program # 11243	from 2020-07-03
12320 OPEL MOKKA X	2016->	program # 11912	from 2020-12-14
12330 OPEL MOVANO (EURO 6)	2022->	program # 14238	from 2022-06-22
12340 OPEL MOVANO (EURO 6)	2019->	program # 13147	from 2021-06-02
12350 OPEL MOVANO (EURO 5)	2014->	program # 12922	from 2021-06-02
12360 OPEL MOVANO	2010->	program # 11436	from 2021-06-02
12370 OPEL SIGNUM	2002->	program # 11114	from 2017-09-01
12380 OPEL VECTRA C	2002->	program # 11114	from 2017-09-01
12390 OPEL VIVARO	2019->	program # 12849	from 2020-08-31
12400 OPEL VIVARO	2014->	program # 12839	from 2019-12-09
12410 OPEL VIVARO	2006->	program # 11224	from 2017-09-01



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Cars		Legend	
Model	Year	Program	From
12423 OPEL VIVARO	year: 2001->	program № 11224	from 2017-09-01
12430 OPEL ZAFIRA TOURER C	year: 2012->	program № 11183	from 2021-06-21
12440 OPEL ZAFIRA B	year: 2005->	program № 11184	from 2017-09-01
12450 PEUGEOT 2008 (GT-Line) (Keyless)	year: 2020->	program № 13124	from 2020-03-24
12460 PEUGEOT 2008	year: 2013->	program № 11298	from 2020-03-24
12471 PEUGEOT 207	year: 2006->	program № 11143	from 2020-03-24
12480 PEUGEOT 207	year: 2006->	program № 11193	from 2017-09-01
12490 PEUGEOT 208	year: 2019->	program № 13153	from 2020-04-03
12500 PEUGEOT 208	year: 2012->	program № 11298	from 2020-03-24
12510 PEUGEOT 3008 (EAE Market)	year: 2020->	program № 13394	from 2020-11-30
12520 PEUGEOT 3008 (Alhara) (Keyless)	year: 2017->	program № 13122	from 2020-03-24
12530 PEUGEOT 3008	year: 2009->	program № 11143	from 2020-03-24
12540 PEUGEOT 3008	year: 2009->	program № 11193	from 2020-03-24
12550 PEUGEOT 307	year: 2006->	program № 11143	from 2020-03-24
12560 PEUGEOT 307	year: 2006->	program № 11193	from 2020-03-24
12570 PEUGEOT 308	year: 2017->	program № 12924	from 2020-03-24
12580 PEUGEOT 308	year: 2012->	program № 13448	from 2020-12-18



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CARS		Legend															
Model	Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12761 PEUGEOT 807	year: 2006=>																
12771 PEUGEOT HIPPER	year: 2008=>																
12781 PEUGEOT BOXER (EURO 6)	year: 2020=>																
12791 PEUGEOT BOXER (EURO 6)	year: 2017=>																
12801 PEUGEOT BOXER (EURO 5 PLUS)	year: 2014=>																
12811 PEUGEOT BOXER	year: 2011=>																
12821 PEUGEOT BOXER (RussianMarket)	year: 2011=>																
12831 PEUGEOT BOXER	year: 2006=>																
12841 PEUGEOT EXPERT	year: 2016=>																
12851 PEUGEOT EXPERT	year: 2007=>																
12861 PEUGEOT EXPERT	year: 2007=>																
12871 PEUGEOT PARTNER	year: 2019=>																
12881 PEUGEOT PARTNER (Tupes)	year: 2008=>																
12891 PEUGEOT PARTNER (Tupes)	year: 2008=>																
12901 PEUGEOT PARTNER	year: 2003=>																
12911 PEUGEOT PARTNER Origin	year: 2003=>																
12921 PEUGEOT RETTER	year: 2018=>																

Exceeding the speed specified by the sign - Speed limit with value

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Part No.	Year	Program No.	From	To	Notes
13101	PORSCHE PANAMERA (970)	year: 2009->	program № 13599	from 2021-04-15	...
13113	RAM 1000	year: 2022->	program № 13037	from 2021-12-31	...
13123	RAM 1500	year: 2019->	program № 12526	from 2021-03-25	...
13132	RAM 1500	year: 2013->	program № 11332	from 2017-09-01	...
13144	RAM 1500 CLASSIC	year: 2018->	program № 13583	from 2021-03-23	...
13153	RAM 1500 PROMASTER	year: 2020->	program № 13258	from 2022-06-22	...
13161	RAM 1500 PROMASTER	year: 2017->	program № 12668	from 2019-05-16	...
13173	RAM 1500 PROMASTER	year: 2014->	program № 12667	from 2019-05-29	...
13181	RAM 2500 PROMASTER	year: 2020->	program № 13258	from 2022-06-22	...
13191	RAM 2500 PROMASTER	year: 2017->	program № 12668	from 2019-05-29	...
13201	RAM 2500 PROMASTER	year: 2014->	program № 12667	from 2019-05-29	...
13211	RAM 3500 PROMASTER	year: 2020->	program № 13258	from 2022-06-22	...
13221	RAM 3500 PROMASTER	year: 2017->	program № 12668	from 2019-05-29	...
13231	RAM 3500 PROMASTER	year: 2014->	program № 12667	from 2019-05-29	...
13244	RAM 700	year: 2021->	program № 13035	from 2021-12-09	...
13253	RAM PROMASTER CITY	year: 2017->	program № 12674	from 2019-05-21	...
13260	RAM PROMASTER CITY	year: 2015->	program № 12669	from 2019-05-29	...

CARS	
Model	Year
13271 RENAULT ARKANA	year: 2022=>
13280 RENAULT ARKANA (Hybrid)	year: 2022=>
13290 RENAULT ARKANA (RussianMarket)	year: 2020=>
13300 RENAULT CAPTUR II	year: 2020=>
13310 RENAULT CAPTUR II (Hybrid)	year: 2020=>
13320 RENAULT CAPTUR I	year: 2017=>
13330 RENAULT CAPTUR I	year: 2013=>
13340 RENAULT CLIO V	year: 2020=>
13350 RENAULT CLIO V (Hybrid) (Keyless)	year: 2020=>
13360 RENAULT CLIO IV	year: 2017=>
13370 RENAULT CLIO IV	year: 2012=>
13380 RENAULT CLIO III	year: 2005=>
13390 RENAULT DOKKER	year: 2012=>
13400 RENAULT DUSTER	year: 2014=>
13410 RENAULT DUSTER	year: 2011=>
13420 RENAULT ESPACE V	year: 2020=>
13430 RENAULT ESPACE V (Keyless)	year: 2015=>

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CARS		Legend	
Model	Year	Program #	From
13780 RENAULT SCENIC III	year: 2013->	program # 11182	from 2017-09-01
13780 RENAULT SCENIC III	year: 2009->	program # 11182	from 2017-09-01
13800 RENAULT SCENIC II	year: 2003->	program # 11174	from 2021-09-09
13810 RENAULT TALISMAN	year: 2021->	program # 13963	from 2022-04-07
13820 RENAULT TALISMAN	year: 2020->	program # 13421	from 2022-04-20
13830 RENAULT TALISMAN (Keyless)	year: 2015->	program # 11625	from 2019-04-25
13840 RENAULT TRAFIC	year: 2022->	program # 13717	from 2022-05-10
13850 RENAULT TRAFIC	year: 2020->	program # 13217	from 2020-04-06
13860 RENAULT TRAFIC	year: 2014->	program # 12921	from 2016-12-09
13870 RENAULT TRAFIC	year: 2006->	program # 11224	from 2017-09-01
13880 RENAULT TRAFIC	year: 2001->	program # 11224	from 2017-09-01
13890 RENAULT TWINGO III	year: 2014->	program # 11192	from 2017-09-01
13900 RENAULT TWINGO II	year: 2008->	program # 11174	from 2021-09-09
13910 ROLLS ROYCE PHANTOM	year: 2003->	program # 13324	from 2020-09-01
13920 SAAB 9-3 (YS3E)	year: 2003->	program # 11126	from 2017-09-01
13930 SAAB 9-5 (YS3E)	year: 1998->	program # 11156	from 2017-09-01
13940 SCION FR-S	year: 2012->	program # 11392	from 2017-09-01



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DTC	Description	Year												Program #	From	To	Status	
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023					
14122	SEAT LEON (SF) (Start-button)														13485	2022-05-31		
14123	SEAT LEON (GF)														11887	2022-05-31		
14144	SEAT LEON (GF)														11648	2022-05-31		
14151	SEAT LEON (1P)														11111	2017-09-01		
14160	SEAT LEON (1M)														11166	2017-09-01		
14171	SEAT MII (AA)														11449	2017-09-01		
14180	SEAT TARRACO (KN) (Start-button)														13496	2022-05-31		
14180	SEAT TOLEDO (NH)														12741	2022-05-31		
14200	SEAT TOLEDO (NH)														11449	2017-09-01		
14211	SEAT TOLEDO (SP)														11111	2017-09-01		
14220	SEAT TOLEDO (1M)														11166	2017-09-01		
14231	SKODA CITIGO (AA)														12422	2018-07-17		
14241	SKODA CITIGO (AA)														11449	2017-09-01		
14251	SKODA CITIGO (AA)														11449	2017-09-01		
14260	SKODA FABIA IV (PF) (Start-button)														13975	2022-05-31		
14271	SKODA FABIA III (NJ)														11391	2022-05-31		
14280	SKODA FABIA II (SJ)														11449	2017-09-01		

Exceeding the speed specified by the sign - Speed limit with value

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Lightning	Key fob remote	Engine is working	Handbrake	Vehicle	From 1st door	From 2nd door	From 3rd door	From 4th door	From 5th door	From 6th door	From 7th door	From 8th door	From 9th door	From 10th door	From 11th door	From 12th door	From 13th door	From 14th door	From 15th door	From 16th door	From 17th door	From 18th door	From 19th door	From 20th door	From 21st door	From 22nd door	From 23rd door	From 24th door	From 25th door	From 26th door	From 27th door	From 28th door	From 29th door	From 30th door	From 31st door	From 32nd door	From 33rd door	From 34th door	From 35th door	From 36th door	From 37th door	From 38th door	From 39th door	From 40th door	From 41st door	From 42nd door	From 43rd door	From 44th door	From 45th door	From 46th door	From 47th door	From 48th door	From 49th door	From 50th door	From 51st door	From 52nd door	From 53rd door	From 54th door	From 55th door	From 56th door	From 57th door	From 58th door	From 59th door	From 60th door	From 61st door	From 62nd door	From 63rd door	From 64th door	From 65th door	From 66th door	From 67th door	From 68th door	From 69th door	From 70th door	From 71st door	From 72nd door	From 73rd door	From 74th door	From 75th door	From 76th door	From 77th door	From 78th door	From 79th door	From 80th door	From 81st door	From 82nd door	From 83rd door	From 84th door	From 85th door	From 86th door	From 87th door	From 88th door	From 89th door	From 90th door	From 91st door	From 92nd door	From 93rd door	From 94th door	From 95th door	From 96th door	From 97th door	From 98th door	From 99th door	From 100th door
1446 SKODA OCTAVIA TOUR I (11)																																																																																																								
1447 SKODA OCTAVIA TOUR I (11)																																																																																																								
1448 SKODA RAPID (NH) (RussianMarket)																																																																																																								
1449 SKODA RAPID (NH)																																																																																																								
1450 SKODA RAPID (NH)																																																																																																								
1451 SKODA ROOMSTER (S)																																																																																																								
1452 SKODA ROOMSTER (S)																																																																																																								
1453 SKODA SCALA (NW) (Start-button)																																																																																																								
1454 SKODA SCALA (NW) (Regular-key)																																																																																																								
1455 SKODA SUPERB (NP) (Start-button)																																																																																																								
1456 SKODA SUPERB (NP) (Start-button)																																																																																																								
1457 SKODA SUPERB (T)																																																																																																								
1458 SKODA SUPERB (T)																																																																																																								
1459 SKODA SUPERB (11)																																																																																																								
1460 SKODA VETI (S)																																																																																																								
1461 SKODA VETI (S)																																																																																																								
1462 SMART FORFOUR (43)																																																																																																								



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CARS		Legend	
Model	Year	Program #	From
1463 SMART FORTWO (451) (BETA)	year: 2020->	program # 11372	from preliminary
1464 SMART FORTWO (453)	year: 2013->	program # 11781	from 2017-09-01
1465 SMART FORTWO BRABUS (451)	year: 2007->	program # 11654	from 2017-09-01
1466 SMART FORTWO MHD PASSION (451)	year: 2008->	program # 11654	from 2017-09-01
1467 SsangYong ACTYON (Keyless)	year: 2013->	program # 11482	from 2017-09-01
1468 SsangYong ACTYON	year: 2013->	program # 11482	from 2017-09-01
1469 SsangYong KORANDO (C300)	year: 2015->	program # 13967	from 2021-12-20
1470 SsangYong KYRON	year: 2007->	program # 11482	from 2017-09-01
1471 SsangYong BEXTON	year: 2013->	program # 11482	from 2017-09-01
1472 SsangYong STAVIC	year: 2014->	program # 11482	from 2017-09-01
1473 SsangYong TIVOLI (Keyless)	year: 2020->	program # 13966	from 2021-12-16
1474 SsangYong TIVOLI	year: 2015->	program # 12191	from 2018-01-31
1475 SsangYong TIVOLI GRAND (Keyless)	year: 2020->	program # 13964	from 2021-12-16
1476 SsangYong TIVOLI XLV	year: 2015->	program # 12191	from 2018-01-31
1477 SUBARU BRZ (ZC)	year: 2015->	program # 11931	from 2017-09-01
1478 SUBARU CROSSTREK (GT) (Keyless)	year: 2018->	program # 12845	from 2022-01-10
1479 SUBARU CROSSTREK (GT)	year: 2018->	program # 13436	from 2022-01-10



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Model	Year	Program	From	Speed limit with value
14975 SUBARU OUTBACK (BS) (Keyless)	year: 2016=>	program № 11698	from 2017-09-01	
14985 SUBARU OUTBACK (BD)	year: 2013=>	program № 11423	from 2017-09-01	
14995 SUBARU OUTBACK (BR) (Keyless)	year: 2010=>	program № 11265	from 2017-09-01	
15005 SUBARU OUTBACK (BP)	year: 2008=>	program № 11177	from 2017-09-01	
15015 SUBARU OUTBACK (BP)	year: 2004=>	program № 11177	from 2017-09-01	
15025 SUBARU TRIBECA BP (WX)	year: 2006=>	program № 11197	from 2017-09-01	
15035 SUBARU XV (GT) (e-BOXER) (Keyless)	year: 2021=>	program № 13994	from 2022-01-05	
15045 SUBARU XV (GT) (Keyless)	year: 2021=>	program № 14114	from 2022-02-14	
15055 SUBARU XV (GT) (Keyless)	year: 2018=>	program № 12239	from 2022-01-10	
15060 SUBARU XV (GT)	year: 2018=>	program № 13249	from 2022-01-10	
15075 SUBARU XV (GP) (Keyless)	year: 2012=>	program № 11395	from 2017-09-01	
15080 SUBARU XV (GP)	year: 2012=>	program № 11395	from 2017-09-01	
15090 SUZUKI BALENO (FW)	year: 2016=>	program № 11744	from 2021-05-25	
15100 SUZUKI CELERIO II	year: 2014=>	program № 11735	from 2021-05-25	
15110 SUZUKI ERTIGA (ZE) (RHD)	year: 2012=>	program № 12533	from 2021-05-25	
15120 SUZUKI GRAND VITARA (Keyless)	year: 2008=>	program № 11115	from 2021-05-25	
15130 SUZUKI GRAND VITARA	year: 2008=>	program № 11115	from 2021-05-25	

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CARS		Legend	
Model	Year	Program #	From
1582 TOYOTA FORTUNER	year: 2015<=>	program # 12166	from 2021-09-29
1583 TOYOTA FORTUNER (RHD) (Keyless)	year: 2015<=>	program # 12181	from 2021-09-29
1584 TOYOTA FORTUNER (Keyless)	year: 2015<=>	program # 12181	from 2021-09-29
1585 TOYOTA GR YARIS (Start-Button)	year: 2021<=>	program # 13773	from 2022-04-25
1586 TOYOTA GT 86	year: 2012<=>	program # 11392	from 2017-09-01
1587 TOYOTA HARRIER (RHD)	year: 2013<=>	program # 12527	from 2018-10-30
1588 TOYOTA HIACE	year: 2020<=>	program # 13317	from 2021-09-29
1589 TOYOTA HIACE	year: 2006<=>	program # 11138	from 2017-09-01
1590 TOYOTA HIGHLANDER (Hybrid)	year: 2021<=>	program # 13579	from 2022-07-11
1591 TOYOTA HIGHLANDER	year: 2014<=>	program # 11486	from 2017-09-01
1592 TOYOTA HIGHLANDER	year: 2011<=>	program # 11138	from 2017-09-01
1593 TOYOTA HIGHLANDER	year: 2008<=>	program # 11138	from 2017-09-01
1594 TOYOTA HILUX (VTH) (Keyless)	year: 2021<=>	program # 13592	from 2022-04-25
1595 TOYOTA HILUX (VTH) (ThailandMarket) (Automatic-transmission)	year: 2015<=>	program # 12621	from 2019-03-11
1596 TOYOTA HILUX (VTH) (ThailandMarket) (MT)	year: 2015<=>	program # 11716	from 2019-03-11
1597 TOYOTA HILUX (VTH) (Keyless)	year: 2015<=>	program # 12138	from 2022-04-25
1598 TOYOTA HILUX (VTH)	year: 2015<=>	program # 12371	from 2022-04-25

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CARS		Legend	
Model	Year	Program #	From
16160 TOYOTA LAND CRUISER 200 (5.7L V8 PETROL)	year: 2008=>	program # 12478	from 2021-09-29
16171 TOYOTA LAND CRUISER 200 (4.0L V6 PETROL)	year: 2008=>	program # 12484	from 2021-09-29
16180 TOYOTA LAND CRUISER 300	year: 2022=>	program # 14199	from 2022-04-27
16190 TOYOTA LINDO (RHID)	year: 2013=>	program # 12534	from 2018-11-06
16200 TOYOTA PRIUS (Hybrid)	year: 2019=>	program # 13379	from 2022-05-16
16211 TOYOTA PRIUS (Hybrid)	year: 2015=>	program # 11814	from 2022-05-16
16220 TOYOTA PRIUS PLUS (Hybrid)	year: 2012=>	program # 12499	from 2020-01-30
16230 TOYOTA PRIUS (Hybrid)	year: 2009=>	program # 11138	from 2017-09-01
16241 TOYOTA PRIUS C (Hybrid) (Keyless)	year: 2018=>	program # 13413	from 2020-10-20
16250 TOYOTA PROACE	year: 2013=>	program # 11193	from 2017-09-01
16260 TOYOTA PROACE	year: 2013=>	program # 11143	from 2017-09-01
16270 TOYOTA PROACE CITY VERSO	year: 2019=>	program # 13157	from 2020-04-14
16280 TOYOTA PROACE VERSO	year: 2016=>	program # 13156	from 2020-04-14
16290 TOYOTA RAV4	year: 2019=>	program # 12598	from 2022-04-25
16300 TOYOTA RAV4 (Hybrid)	year: 2019=>	program # 12599	from 2022-04-25
16311 TOYOTA RAV4 (Hybrid)	year: 2016=>	program # 11715	from 2022-04-25
16320 TOYOTA RAV4	year: 2016=>	program # 11338	from 2017-09-01

Lightning bolt	Ignition	Car	Year	Program	From	To	...
		16333 TOYOTA RAV4	year: 2013<=>	program № 11338	from 2017-09-01		
		16340 TOYOTA RAV4	year: 2011<=>	program № 11642	from 2017-09-01		
		16352 TOYOTA RAV4	year: 2006<=>	program № 11642	from 2017-09-01		
		16360 TOYOTA RUSH (RHD)	year: 2015<=>	program № 12521	from 2018-10-23		
		16370 TOYOTA SFOUOA	year: 2006<=>	program № 11138	from 2017-09-01		
		16380 TOYOTA SIENNA (Hybrid)	year: 2021<=>	program № 14249	from 2022-06-23		
		16390 TOYOTA SIENNA	year: 2017<=>	program № 12771	from 2019-06-25		
		16400 TOYOTA SIENNA (Keyless)	year: 2011<=>	program № 11226	from 2017-09-01		
		16411 TOYOTA SIENNA	year: 2007<=>	program № 11633	from 2017-09-01		
		16421 TOYOTA SOLARA	year: 2007<=>	program № 11138	from 2017-09-01		
		16431 TOYOTA SUPRA (20)	year: 2020<=>	program № 13831	from 2021-09-07		
		16441 TOYOTA TUNDRA	year: 2014<=>	program № 11847	from 2021-09-29		
		16451 TOYOTA TUNDRA	year: 2008<=>	program № 11138	from 2017-09-01		
		16460 TOYOTA URBAN CRUISER	year: 2009<=>	program № 11138	from 2017-09-01		
		16471 TOYOTA VENZA (Hybrid)	year: 2022<=>	program № 14149	from 2022-04-25		
		16480 TOYOTA VENZA	year: 2012<=>	program № 11138	from 2017-09-01		
		16490 TOYOTA VERSO	year: 2016<=>	program № 11883	from 2021-10-19		

Exceeding the speed specified by the sign - Speed limit with value

[en]=> P/N 225238xx (CAN-Control DTC)

Model	Year	Program	Function
1650 TOYOTA VERSO	2009->	11138	<ul style="list-style-type: none"> Ignition Key insert Key not insert Engine is working Engine is working on CNG Handbrake Reversake Status of the hazard warning lights switch Front left door Front right door Rear left door Rear right door Hood Trunk cover Trunk cover (lock) Trunk cover (unlock) Electric cable connected EV battery charging Electric engine working Car locked with the factory remote Central locking status Battery alarm Emergency alarm Original remote - CLOSE Original remote - OPEN Original remote of the car - Resending The original remote of the car - Open trunk The original remote of the car - Open trunk Reverse Neutral Drive EV mode Engine is working on LPG Working lights Winged headlights Full beam headlights Rear fog lights Front fog lights Power window closed Power window open Lock status (on) Lock status (off) Total mileage of this vehicle (allbrand) Vehicle mileage - (current) Initial fuel consumption Total fuel consumption - (current) Fuel level (in percent) Fuel level (in liter) Engine speed (RPM) Engine temperature Vehicle speed Vehicle speed (average) Latitude (in liter) Acceleration pedal position VIN number EV battery level Total CNG use Total CNG consumption CNG level (in percent) CNG level (in kilogram) Vehicle range Vehicle's range on EV battery Vehicle's range on CNG Time to the end of the EV battery charge CNG level (in liter) Total CNG use Initial CNG use - (current) CNG level (in percent) CNG level (in kilogram) Fuel compartment temperature Active year number Powertrain speed limit EV battery pack voltage EV battery pack voltage (average) Maximum EV battery cell voltage Maximum EV battery cell voltage Reading DTC ECM Erasing DTC ECM Reading DTC ABS Erasing DTC ABS Reading DTC SRS Erasing DTC SRS Reading DTC TCM Erasing DTC TCM Reading DTC BSM Erasing DTC BSM Reading DTC machines Erasing DTC machines Reading DTC IW BATTERY Erasing DTC IW BATTERY Reading DTC IV BATTERY Erasing DTC IV BATTERY Reading DTC HYBRID SYSTEM Erasing DTC HYBRID SYSTEM Alternative control of central locking Alternative control of central locking All doors lock All doors unlock Alternative control (remote start) Alternative control (remote start) Control lock when talk on Alternative turn signal control Turn signal control Item control Control choice Speed limit with value Exceeding the speed specified by the sign Speed limit with value
1651 TOYOTA YIROS (RHD)	2013->	12519	
1652 TOYOTA VOXY (RHD)	2017->	12523	
1653 TOYOTA YARIS (Regular-key) (Hybrid)	2021->	13356	
1654 TOYOTA YARIS (Start-button) (Hybrid)	2021->	13375	
1655 TOYOTA YARIS	2021->	13488	
1656 TOYOTA YARIS	2017->	13159	
1657 TOYOTA YARIS (Hybrid)	2017->	11975	
1658 TOYOTA YARIS (UAE Market)	2017->	13611	
1659 TOYOTA YARIS	2015->	11896	
1660 TOYOTA YARIS (Hybrid)	2015->	11824	
1661 TOYOTA YARIS	2011->	11338	
1662 TOYOTA YARIS	2006->	11138	
1663 TOYOTA YARIS CROSS (Start-button) (Hybrid)	2021->	13888	
1664 TOYOTA YARIS CROSS (Regular-key) (Hybrid)	2021->	14181	
1665 UAZ PATRIOT	2016->	11845	
1666 VOLVO C30	2007->	11123	

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Cars		Legend	
Model	Year	Program #	From
1680 VOLVO V50	2004+	11123	2017-09-01
1685 VOLVO V50	2019+	13377	2022-05-20
1686 VOLVO V50	2011+	11294	2017-09-01
1687 VOLVO V70	2008+	11144	2017-09-01
1688 VOLVO V70	2005+	11124	2017-09-01
1689 VOLVO V70	2003+	11134	2017-09-01
1690 VOLVO V90	2021+	14214	2022-05-20
1691 VOLVO V90	2017+	13956	2022-05-20
1692 VOLVO XC40	2019+	13434	2022-05-20
1693 VOLVO XC60	2021+	13621	2022-05-20
1694 VOLVO XC60	2018+	13229	2022-05-20
1695 VOLVO XC60	2014+	11294	2017-09-01
1696 VOLVO XC60	2012+	11294	2017-09-01
1697 VOLVO XC60	2010+	11144	2017-09-01
1698 VOLVO XC60	2008+	11144	2017-09-01
1699 VOLVO XC70	2014+	11295	2017-09-01
1700 VOLVO XC70	2013+	11295	2017-09-01



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Cars	
Model	Year
1701 VOLVO XC70	year: 2008->
	program % 11144
1702 VOLVO XC70	year: 2005->
	program % 11124
1703 VOLVO XC30	year: 2021->
	program % 13622
1704 VOLVO XC30	year: 2018->
	program % 12474
1705 VOLVO XC30	year: 2016->
	program % 11634
1706 VOLVO XC30	year: 2012->
	program % 11124
1707 VOLVO XC30	year: 2005->
	program % 11124
1708 VOLVO XC30	year: 2003->
	program % 11134
1709 VW AMAROK (2H)	year: 2017->
	program % 12218
1710 VW AMAROK (2H)	year: 2010->
	program % 14248
1711 VW ARTEON (3H) (Start-button)	year: 2021->
	program % 13360
1712 VW ARTEON (3H) (Start-button)	year: 2017->
	program % 12251
1713 VW ATLAS (CA)	year: 2018->
	program % 13247
1714 VW BEETLE (1H)	year: 2016->
	program % 11792
1715 VW BEETLE (1C / 9C)	year: 2002->
	program % 11166
1716 VW BEETLE (1C / 9C)	year: 1998->
	program % 11165
1717 VW CADDY (SK) (Automatic-transmission)	year: 2021->
	program % 13663

CARS		Legend	
Model	Year	Program No.	From
17181 VW CADDY (SK) (Regular-key)	year: 2021->	program № 13664	from 2021-11-16
17189 VW CADDY (SK)	year: 2015->	program № 12978	from 2012-03-25
17200 VW CADDY (SK)	year: 2010->	program № 11173	from 2017-09-01
17211 VW CADDY (SK)	year: 2004->	program № 11111	from 2017-09-01
17223 VW CRAFTER (SV)	year: 2020->	program № 13366	from 2021-12-02
17233 VW CRAFTER (SV) (Regular-key)	year: 2017->	program № 12219	from 2021-12-02
17241 VW CRAFTER (SZ) (Regular-key)	year: 2016->	program № 11913	from 2021-12-02
17253 VW CRAFTER (ZF)	year: 2014->	program № 11164	from 2017-09-01
17260 VW CRAFTER (ZE)	year: 2006->	program № 11164	from 2017-09-01
17271 VW EOS (1P)	year: 2006->	program № 11111	from 2017-09-01
17288 VW GOLF 6 (CB) (Start-button)	year: 2020->	program № 13367	from 2021-11-16
17290 VW GOLF 7 (AL) (Regular-key)	year: 2019->	program № 13352	from 2021-06-21
17300 VW GOLF 7 (AL) (Start-button)	year: 2019->	program № 13389	from 2021-06-21
17311 VW GOLF 7 (AL) (Regular-key)	year: 2017->	program № 11927	from 2021-06-21
17321 VW GOLF 7 (AL) (Start-button)	year: 2017->	program № 13388	from 2021-06-21
17331 VW GOLF 7 (AL)	year: 2013->	program № 11448	from 2022-05-31
17340 VW GOLF 6 (1K)	year: 2008->	program № 11173	from 2017-09-01



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CARS		Legend	
Model	Year	Program	From
17351 VW GOLF 5 (1K)	2004->	11111	2017-09-01
17360 VW GOLF 5 (1K)	2004->	11262	2017-09-01
17373 VW GOLF 4 (1J)	2002->	11111	2017-09-01
17380 VW GOLF 4 (1J)	1998->	11165	2017-09-01
17390 VW GOLF SPORTSVAN 7 (4E)	2016->	12424	2018-07-10
17400 VW GRAND CALIFORNIA (S)	2020->	13385	2021-12-02
17411 VW JETTA (4E)	2015->	11567	2017-09-01
17420 VW JETTA (4E) (Mexico/Market)	2015->	11661	2019-02-25
17430 VW JETTA (1K)	2010->	11173	2017-09-01
17440 VW JETTA (1K)	2005->	11111	2017-09-01
17450 VW PASSAT B6 (CC) (Start-button)	2019->	11113	2020-10-26
17460 VW PASSAT B6 (CC) (Regular-key)	2019->	11417	2020-12-15
17470 VW PASSAT B6 (CC) (Start-button)	2017->	11926	2020-10-26
17480 VW PASSAT B6 (CC) (Start-button)	2015->	11673	2020-10-26
17490 VW PASSAT B7 (CC)	2011->	11173	2017-09-01
17500 VW PASSAT B7 (CC) EUROPEL	2011->	11892	2017-09-01
17510 VW PASSAT B6 (CC)	2005->	11111	2017-09-01



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CARS		Legend	
Model	Year	Program %	From
17521 VW PASSAT B5 (CB)	year: 2001->	program % 11111	from 2017-09-01
17523 VW PASSAT B5 (CB)	year: 1998->	program % 11165	from 2017-09-01
17541 VW PASSAT CC (CC)	year: 2012->	program % 11173	from 2017-09-01
17551 VW PASSAT CC (CC)	year: 2009->	program % 11111	from 2017-09-01
17560 VW PHAETON (3D)	year: 2001->	program % 11122	from 2017-09-01
17571 VW POLO (AW) (Regular-key)	year: 2022->	program % 14225	from 2022-05-31
17581 VW POLO (CK) (Sedan) (RoosianMarket)	year: 2021->	program % 13466	from 2021-01-15
17581 VW POLO (AW) (Regular-key)	year: 2018->	program % 12265	from 2020-10-22
17601 VW POLO (AW) (Start-button)	year: 2018->	program % 13416	from 2020-10-26
17611 VW POLO (6R)	year: 2014->	program % 11794	from 2017-09-01
17621 VW POLO (61) (Sedan)	year: 2011->	program % 11262	from 2017-09-01
17631 VW POLO (6R)	year: 2009->	program % 11176	from 2017-09-01
17641 VW POLO (6N)	year: 2005->	program % 11161	from 2017-09-01
17651 VW SCIROCCO (13)	year: 2010->	program % 11173	from 2017-09-01
17661 VW SCIROCCO (13)	year: 2008->	program % 11111	from 2017-09-01
17671 VW SHARAN (7N)	year: 2010->	program % 11173	from 2017-09-01
17681 VW T-CROSS (C1) (Regular-key)	year: 2019->	program % 13111	from 2021-06-02



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Cars		Legend															
Model	Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1780 VW TAGO (CS) (Start-button)	year: 2022->	program № 14242 from 2022-05-31															
1787 VW TERAMONT (CA)	year: 2017->	program № 11284 from 2018-04-17															
1788 VW TIGUAN (SN) (Start-button)	year: 2020->	program № 13358 from 2020-10-26															
1789 VW TIGUAN (SN) (Start-button)	year: 2018->	program № 13382 from 2020-10-26															
1790 VW TIGUAN ALLSPACE (SN) (Start-button)	year: 2017->	program № 12263 from 2020-10-26															
1791 VW TIGUAN (SN) (Start-button)	year: 2016->	program № 13383 from 2020-10-26															
1792 VW TIGUAN (SN) (Regular-key)	year: 2016->	program № 13695 from 2021-05-18															
1793 VW TIGUAN (SN)	year: 2013->	program № 11524 from 2017-09-01															
1794 VW TIGUAN (SN)	year: 2010->	program № 11173 from 2017-09-01															
1795 VW TIGUAN (SN)	year: 2007->	program № 11111 from 2017-09-01															
1796 VW TOUAREG (CR)	year: 2018->	program № 12419 from 2021-11-16															
1797 VW TOUAREG (7F)	year: 2011->	program № 11273 from 2022-05-31															
1798 VW TOUAREG (7L)	year: 2003->	program № 11122 from 2018-07-05															
1799 VW TOURAN (1T)	year: 2016->	program № 11673 from 2019-05-15															
1800 VW TOURAN (1T)	year: 2010->	program № 11173 from 2017-09-01															
1801 VW TOURAN (1T) ECOFUEL	year: 2010->	program № 11877 from 2017-09-01															
1802 VW TOURAN (1T)	year: 2003->	program № 11111 from 2017-09-01															

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Cars	
<ul style="list-style-type: none"> Ignition Key inserted Engine is working Engine is working on CNG Handbrake Frontale Status of the hazard warning lights switch Front left door Front right door Rear left door Rear right door Door Trunk cover Trunk cover (lock) Trunk cover cable extended EV battery charging Electric engine working Car locked with the factory remote Central locking status Factory alarm Immobilized alarm Original remote - CLOSE Original remote - OPEN The digital remote of the car - Resuming The digital remote of the car - Open trunk Reverse Neutral Drive Engine is working on LPG Working lights Blurred headlights Full beam headlights Rear fog lights Front fog lights Light sensor Let's shift lock Total mileage of this vehicle (odometer) Vehicle mileage - (counter) Total fuel consumption Total fuel consumption - (consumed) Fuel level (in percent) Fuel level (in liters) Engine speed (RPM) Engine temperature Oil speed Vehicle speed Vehicle speed (average) Latitude (in liters) Acceleration pedal position VIN number EV battery level Total CNG use Total CNG consumption CNG level (in percent) CNG level (in kilograms) Vehicle range Vehicle's range on EV battery Vehicle's range on CNG Time to the end of the EV battery charge Total CNG use Total CNG use - (count d) CNG level (in percent) CNG level (in kilograms) Door compartment temperature Active year number Door open speed limit EV battery pack voltage Maximum EV battery charge Maximum EV battery cell voltage Reading DTC ECU Erasing DTC ECU Reading DTC ABS Erasing DTC ABS Reading DTC SRS Erasing DTC SRS Reading DTC TCM Erasing DTC TCM Reading DTC BCM Erasing DTC BCM Reading DTC ESP Erasing DTC ESP Reading DTC modules Erasing DTC modules Reading DTC W BATTERY Erasing DTC W BATTERY Reading DTC HY BATTERY Erasing DTC HY BATTERY Reading DTC HYBRID SYSTEM Erasing DTC HYBRID SYSTEM Alternative control of central locking All doors lock All doors unlock EV battery control (remote/shortmap) Center lock when talks on Alternative horn signal control Turn signal control Horn control Center clearance Speed limit with value Exceeding the speed specified by the sign - Speed limit with value 	<p>18033 VW UP (AA) year: 2017<>> program to 11929 from 2017-09-01</p> <p>18040 VW UP (AA) year: 2016<>> program to 11449 from 2017-09-01</p> <p>Notes:</p> <ul style="list-style-type: none"> * The function is available depending vehicle's equipment † The parameter may be measurable using PDS or CDS connection reader ‡ Alternative control

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Electric cars		
Application	Functions	
1) AUDI A3 (e-tron) (EV) (Hybrid) (Plug-in)	<ul style="list-style-type: none"> 1) Key fob lock 2) Key fob unlock 3) Engine is working 4) Handbrake 5) Reverse 6) Status of the hazard warning lights switch 7) Front right door 8) Rear left door 9) Rear right door 10) Hood 11) Trunk cover 12) Charging cable connected 13) HV battery charging 14) Electric engine working 15) Car is locked with the factory remote 16) Central locking status 17) Battery alarm 18) Immobilizer alarm 19) Original remote - OPEN 20) Original remote - CLOSE 21) The original remote of the car - Responder 22) The original remote of the car - Open trunk 23) The horn 24) Reverse 25) Neutral 26) Drive 27) Engine is working on LPG 28) Blinking lights 29) Blurred headlights 30) Full beam headlights 31) Rear fog lights 32) Front fog lights 33) Lane change lights 34) Lane change 35) Lane change lock 36) Lane change lock 37) Total mileage of this vehicle (odometer) 38) Vehicle mileage - counter 39) Total fuel consumption 40) Total fuel consumption - (consumed) 41) Fuel level (in percent) 42) Fuel level (in liters) 43) Engine speed (RPM) 44) Engine temperature 45) Oil pressure 46) Oil level 47) Air filter level (in liters) 48) Acceleration pedal position 49) VIN number 50) HV battery level 51) Total CHG use 52) Total CHG consumption 53) CHG level (in percent) 54) CHG level (in kilograms) 55) Vehicle range 56) Vehicle's range on HV battery 57) Vehicle's range on EV battery 58) Time to the end of the HV battery charge 59) CHG level (in bars) 60) Total CHG use 61) Total CHG use - (consumed) 62) LNG level (in percent) 63) LNG level (in kilograms) 64) Floor compartment temperature 65) Active year number 66) Road speed limit 67) HV battery pack voltage 68) HV battery pack voltage charge 69) Maximum HV battery cell voltage 70) Reading DTC ECM 71) Erasing DTC ECM 72) Reading DTC ABS 73) Erasing DTC ABS 74) Reading DTC SRS 75) Erasing DTC SRS 76) Reading DTC TCM 77) Erasing DTC TCM 78) Reading DTC BSM 79) Erasing DTC BSM 80) Reading DTC ESP 81) Erasing DTC ESP 82) Reading DTC ESC 83) Erasing DTC ESC 84) Reading DTC IPB 85) Erasing DTC IPB 86) Reading DTC W/BATTERY 87) Erasing DTC W/BATTERY 88) Reading DTC IV/BATTERY 89) Erasing DTC IV/BATTERY 90) Reading DTC IV/BRID SYSTEM 91) Erasing DTC IV/BRID SYSTEM 92) Alternative control of central locking 93) All doors lock 94) All doors unlock 95) Power windows control (central locking) 96) Center lock when talks on 97) Alternative turn signal control 98) Turn signal control 99) Horn control 100) Control clearance 101) Speed limit with value 102) Exceeding the speed specified by the sign - Speed limit with value 	<ul style="list-style-type: none"> year: 2017=> program % 13654 from 2022-05-31
2) AUDI E-TRON (GE) (Sportback) (Electric)		<ul style="list-style-type: none"> year: 2021=> program % 13685 from 2021-11-16
3) AUDI E-TRON (GE) (Electric)		<ul style="list-style-type: none"> year: 2019=> program % 12988 from 2021-11-16
4) AUDI Q3 (F3) (Sportback) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2020=> program % 13681 from 2022-05-31
5) AUDI Q5 (F5) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2020=> program % 13667 from 2022-05-31
6) BMW 3 (G20) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2019=> program % 12912 from 2020-11-23
7) BMW 5 (G30) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2021=> program % 14312 from 2022-07-22
8) BMW 5 (G30) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2017=> program % 12822 from 2020-11-23
9) BMW 7 (G11) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2020=> program % 13371 from 2021-02-22
10) BMW 13 (D01) (Electric)		<ul style="list-style-type: none"> year: 2018=> program % 12971 from 2020-11-19
11) BMW 13 (D01) (Electric)		<ul style="list-style-type: none"> year: 2013=> program % 11727 from 2020-11-19
12) BMW i8 (I12) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2014=> program % 11692 from 2020-11-19
13) BMW iX (I20) (Electric)		<ul style="list-style-type: none"> year: 2022=> program % 14179 from 2022-07-27
14) BMW iX3 (G08) (Electric)		<ul style="list-style-type: none"> year: 2021=> program % 13799 from 2021-09-10
15) BMW X1 (F48) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2020=> program % 14136 from 2022-02-22
16) BMW X5 (F15) (Hybrid) (Plug-in)		<ul style="list-style-type: none"> year: 2016=> program % 12852 from 2020-11-19
17) CAMSSYS CEVO-C (Electric)		<ul style="list-style-type: none"> year: 2020=> program % 13396 from 2021-01-01

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Electric cars		
Year	Model	Program
2017	CHEVROLET BOLT (Electric)	14148
2011	CHEVROLET VOLT 1 (Hybrid) (Plug-in)	11859
2017	CHRYSLER PACIFICA (RE) (Hybrid) (Plug-in)	13244
2019	CITROEN C5 AIRCROSS (Hybrid) (Plug-in)	13625
2021	CITROEN e4 (Electric)	13280
2022	DACIA SPRING (Electric)	13716
2020	DONGFENG SERIES 3 (Electric)	13686
2021	ESTREMA BIRO (Electric)	14172
2021	FIAT 500E (332) (Electric)	13824
2013	FIAT 500E (312) (Electric)	12431
2021	FIAT E-DUCATO (290) (Electric)	13833
2013	FORD C-MAX ENERGY (TITANIUM) (Hybrid) (Plug-in) (USA Market)	11864
2013	FORD FUSION (TITANIUM) (Hybrid) (Plug-in) (USA Market)	11865
2020	FORD KUGA (MF) (Hybrid) (Plug-in)	13269
2021	FORD MUSTANG (MACH-E) (Electric)	13832
2020	HYUNDAI IONIQ (AE) (Electric)	13635
2017	HYUNDAI IONIQ (AE) (Electric)	12982

DTCs		Program
U1000	Loss of communication with the engine control module	
U1001	Loss of communication with the transmission control module	
U1002	Loss of communication with the battery management system	
U1003	Loss of communication with the electric power steering system	
U1004	Loss of communication with the chassis control system	
U1005	Loss of communication with the body control module	
U1006	Loss of communication with the instrument cluster	
U1007	Loss of communication with the infotainment system	
U1008	Loss of communication with the external device	
U1009	Loss of communication with the antenna	
U1010	Loss of communication with the rearview mirror	
U1011	Loss of communication with the door modules	
U1012	Loss of communication with the trunk module	
U1013	Loss of communication with the headlamp control module	
U1014	Loss of communication with the fog lamp control module	
U1015	Loss of communication with the wiper control module	
U1016	Loss of communication with the horn control module	
U1017	Loss of communication with the remote keyless system	
U1018	Loss of communication with the immobilizer system	
U1019	Loss of communication with the anti-theft system	
U1020	Loss of communication with the tire pressure monitoring system	
U1021	Loss of communication with the parking assist system	
U1022	Loss of communication with the lane departure warning system	
U1023	Loss of communication with the adaptive cruise control system	
U1024	Loss of communication with the automatic emergency braking system	
U1025	Loss of communication with the cross-traffic alert system	
U1026	Loss of communication with the blind spot monitoring system	
U1027	Loss of communication with the rear cross-traffic alert system	
U1028	Loss of communication with the trailer brake controller	
U1029	Loss of communication with the trailer hitch system	
U1030	Loss of communication with the trailer lighting system	
U1031	Loss of communication with the trailer sway control system	
U1032	Loss of communication with the trailer brake controller (2)	
U1033	Loss of communication with the trailer hitch system (2)	
U1034	Loss of communication with the trailer lighting system (2)	
U1035	Loss of communication with the trailer brake controller (3)	
U1036	Loss of communication with the trailer hitch system (3)	
U1037	Loss of communication with the trailer lighting system (3)	
U1038	Loss of communication with the trailer brake controller (4)	
U1039	Loss of communication with the trailer hitch system (4)	
U1040	Loss of communication with the trailer lighting system (4)	
U1041	Loss of communication with the trailer brake controller (5)	
U1042	Loss of communication with the trailer hitch system (5)	
U1043	Loss of communication with the trailer lighting system (5)	
U1044	Loss of communication with the trailer brake controller (6)	
U1045	Loss of communication with the trailer hitch system (6)	
U1046	Loss of communication with the trailer lighting system (6)	
U1047	Loss of communication with the trailer brake controller (7)	
U1048	Loss of communication with the trailer hitch system (7)	
U1049	Loss of communication with the trailer lighting system (7)	
U1050	Loss of communication with the trailer brake controller (8)	
U1051	Loss of communication with the trailer hitch system (8)	
U1052	Loss of communication with the trailer lighting system (8)	
U1053	Loss of communication with the trailer brake controller (9)	
U1054	Loss of communication with the trailer hitch system (9)	
U1055	Loss of communication with the trailer lighting system (9)	
U1056	Loss of communication with the trailer brake controller (10)	
U1057	Loss of communication with the trailer hitch system (10)	
U1058	Loss of communication with the trailer lighting system (10)	
U1059	Loss of communication with the trailer brake controller (11)	
U1060	Loss of communication with the trailer hitch system (11)	
U1061	Loss of communication with the trailer lighting system (11)	
U1062	Loss of communication with the trailer brake controller (12)	
U1063	Loss of communication with the trailer hitch system (12)	
U1064	Loss of communication with the trailer lighting system (12)	
U1065	Loss of communication with the trailer brake controller (13)	
U1066	Loss of communication with the trailer hitch system (13)	
U1067	Loss of communication with the trailer lighting system (13)	
U1068	Loss of communication with the trailer brake controller (14)	
U1069	Loss of communication with the trailer hitch system (14)	
U1070	Loss of communication with the trailer lighting system (14)	
U1071	Loss of communication with the trailer brake controller (15)	
U1072	Loss of communication with the trailer hitch system (15)	
U1073	Loss of communication with the trailer lighting system (15)	
U1074	Loss of communication with the trailer brake controller (16)	
U1075	Loss of communication with the trailer hitch system (16)	
U1076	Loss of communication with the trailer lighting system (16)	
U1077	Loss of communication with the trailer brake controller (17)	
U1078	Loss of communication with the trailer hitch system (17)	
U1079	Loss of communication with the trailer lighting system (17)	
U1080	Loss of communication with the trailer brake controller (18)	
U1081	Loss of communication with the trailer hitch system (18)	
U1082	Loss of communication with the trailer lighting system (18)	
U1083	Loss of communication with the trailer brake controller (19)	
U1084	Loss of communication with the trailer hitch system (19)	
U1085	Loss of communication with the trailer lighting system (19)	
U1086	Loss of communication with the trailer brake controller (20)	
U1087	Loss of communication with the trailer hitch system (20)	
U1088	Loss of communication with the trailer lighting system (20)	
U1089	Loss of communication with the trailer brake controller (21)	
U1090	Loss of communication with the trailer hitch system (21)	
U1091	Loss of communication with the trailer lighting system (21)	
U1092	Loss of communication with the trailer brake controller (22)	
U1093	Loss of communication with the trailer hitch system (22)	
U1094	Loss of communication with the trailer lighting system (22)	
U1095	Loss of communication with the trailer brake controller (23)	
U1096	Loss of communication with the trailer hitch system (23)	
U1097	Loss of communication with the trailer lighting system (23)	
U1098	Loss of communication with the trailer brake controller (24)	
U1099	Loss of communication with the trailer hitch system (24)	
U1100	Loss of communication with the trailer lighting system (24)	

