



深圳市朗仁科技有限公司
Shenzhen Xtooltech Co., Ltd

BMS Reset function list V16.60

Car	Model	Type1	Type2	Type3
CHINA	BYD	Qin	Qin (2014)	
CHINA	BYD	Qin	Qin Shuangguan (2015 Year to 2016)	
CHINA	BYD	Qin	Qin (2017)	
CHINA	BYD	Qin	Qin EV	
CHINA	BYD	Qin	Qin EV(2017)	
CHINA	BYD	Tang	Tang (Universal)	
CHINA	BYD	Tang	Tang (2017)	
CHINA	BYD	Song	Song DM	
CHINA	BYD	Song	Song EV	
CHINA	BYD	yuan	yuan EV360	
CHINA	BYD	E5		
CHINA	BYD	E6H		
CHINA	BYD	T3		
CHINA	BYD	M3		
CHINA	BAIC New Energy	WEIWANG	307(2015EL150)	
CHINA	BAIC New Energy	EV series	EV150 Economy	
CHINA	BAIC New Energy	EV series	EV160 2016 Years ago (20170401-)	
CHINA	BAIC New Energy	EV series	EV300	
CHINA	BAIC New Energy	EX series	EX260	BMS(Power battery system)(Funeng Battery + Juyi Electric)(20170401-)

CHINA	BAIC New Energy	EX series	EX260	BMS(Power battery system)(Pride Battery + Juyi Electric)(20170401-)
CHINA	BAIC New Energy	EX series	EX360	
CHINA	BAIC New Energy	EX series	EX3	
CHINA	BAIC New Energy	EX series	EX5	
CHINA	BAIC New Energy	EX series	EU5 (R550)	
CHINA	BAIC New Energy	EX series	EU5 (R600)	
CHINA	BAIC New Energy	EU series	EU260(20170401-)	
CHINA	BAIC New Energy	EC series	EC180	BMS(20170401-)
CHINA	BAIC New Energy	EC series	EC180	BMS(Dedicated to time sharing lease of power battery system)
CHINA	BAIC New Energy	EC series	EC200	
CHINA	BAIC New Energy	EC series	EC220	
CHINA	BAIC New Energy	EC series	EC3	
CHINA	BAIC New Energy	EH series	EH300	BMS(20170401-)
CHINA	BAIC New Energy	ARCFOX series	ARCFOX-1	
CHINA	FAW Car	HONGQI H7	Battery sensor calibration	
CHINA	Great Wall	C30(2014 Years ago)		
CHINA	Great Wall	C30EV	Rental version	Vehicle controller VCU
CHINA	Great Wall	C30EV	Rental version	Battery Management System BMS
CHINA	Great Wall	C30EV	Non-rental	Vehicle controller VCU
CHINA	Great Wall	C30EV	Enjoy Edition	Vehicle controller VCU
CHINA	Great Wall	C30EV	Enjoy Edition	Battery Management System BMS
CHINA	Great Wall	C30EV	Upgraded version	Vehicle controller VCU
CHINA	Great Wall	C30EV	Upgraded version	Battery Management System BMS
CHINA	Great Wall	H2s		
CHINA	Great Wall	H7/H7L		
CHINA	Great Wall	F7		
CHINA	Great Wall	VV7	Basic section	
CHINA	Great Wall	VV7	Upgrade	Engine system

CHINA	Great Wall	VV7	Upgrade	Gateway system
CHINA	Great Wall	VV7	Guoliu	
CHINA	Great Wall	P8	Engine system	
CHINA	Great Wall	P8	Battery Management System	
CHINA	Great Wall	Feng Jun 7 (Electric pickup)	Vehicle controller	Clear battery pack data
CHINA	Great Wall	Feng Jun 7 (Electric pickup)	Battery Management System	Battery pack serial number
CHINA	Great Wall	ORA IQ		
CHINA	Great Wall	ORA -R1		
CHINA	Changan Automobile	Yue Xiang (First 3 generation)		
CHINA	Changan Automobile	CS48EV_MCA	Write battery traceability code	
CHINA	Changan Suzuki			
CHINA	Dongfeng scenery	Scenery 360EV		
CHINA	HAIMA	Familia F5	Write battery ID	
CHINA	HAIMA	Familia F7	Write battery ID	
CHINA	HAIMA	Familia II	Write battery ID	
CHINA	HAIMA	Familia three generations	Write battery ID	
CHINA	HAIMA	Familia four generations	Write battery ID	
CHINA	HAIMA	HAIMA S7	United Electronic Engine Management System -S7/M5 Including start and stop /F5 1.6L	Write battery ID

CHINA	HAIMA	HAIMA S7	United Electronic Engine Management System -M8/S7 1.8T	Write battery ID
CHINA	HAIMA	HAIMA M3	United Electronics ME7 system -M3	Write battery ID
CHINA	HAIMA	HAIMA M5	Write battery ID	
CHINA	HAIMA	HAIMA M8	Write battery ID	
CHINA	HAIMA	HAIMA V70/FAMILY	Write battery ID	
CHINA	Brilliance Automotive	Chinese Junjie FSV		
CHINA	Brilliance Automotive	Chinese WeiLi		
CHINA	LIFAN	X70	Write EBS battery ID	
CHINA	GAC Trumpchi	GS4		
CHINA	GAC Trumpchi	GS4 2018		
CHINA	GAC Trumpchi	GS5 (GS5 SUBO)		
CHINA	GAC Trumpchi	GA5 1.6T/1.8T/2.0 DCVVT		
CHINA	GAC Trumpchi	GA6		
CHINA	GAC Trumpchi	GA8		
CHINA	GAC Trumpchi	GM8		
CHINA	JAC	iEV5/iEV7		
CHINA	JAC	iEV6S		
CHINA	JAC	iEV6E/iEV4 Slow charge		
CHINA	JAC	iEV7S/iEV7T/iEV6ES		
CHINA	Roewe	350		
CHINA	Roewe	360 (1.4T)		
CHINA	Roewe	360 (1.5T)		
CHINA	Roewe	RX3		
CHINA	Roewe	RX8		
CHINA	Roewe	950		

CHINA	Roewe	new 950		
CHINA	Roewe	eRX5		
CHINA	Roewe	NEW 550		
CHINA	Roewe	ei5		
CHINA	Roewe	ei6		
CHINA	Roewe	i5	Write battery ID	
CHINA	Roewe	Marvel X	Write battery ID	
CHINA	Roewe	ei6 Plus	Write battery ID	
CHINA	mg	GT 1.4L		
CHINA	mg	GT 1.5L		
CHINA	mg	MG6 MY13		
CHINA	mg	MG6 MY14		
CHINA	mg	MG6 TT		
CHINA	mg	MG3 EU		
CHINA	mg	ZS-ZS11		
CHINA	Chery	ARRIZO 7E		
CHINA	Emgrand	Borui		
CHINA	Emgrand	Emgrand GL		
CHINA	Emgrand	Emgrand GS		
CHINA	Emgrand	Vision X6 (2016)		
CHINA	Hafei	Zhongyi		
CHINA	Hafei	Baili		
CHINA	Hafei	Saima		
CHINA	Hafei	Lubao		
CHINA	Hafei	Minyi		
CHINA	Hafei	Ruiyi		
CHINA	Hafei	Songhua River		
CHINA	Hafei	Saibao		
CHINA	Hafei	Hafei 8		

CHINA	Hafei	Hafei 9		
CHINA	Hafei	Hafei 10		
CHINA	Hafei	Jun Yi		
BMW	1 system	E81/E82/E87/E88		
BMW	1 system	F20/F21		
BMW	2 system	F22/F23		
BMW	2 system	F45		
BMW	3 system	E90/E91/E92/E93		
BMW	3 system	F30/F31/F34/F35		
BMW	3 system	F80		
BMW	4 system	F32/F33/F36		
BMW	4 system	F82/F83		
BMW	5 system	E60/E61		
BMW	5 system	F07 (GT)		
BMW	5 system	F10/F11/F18		
BMW	6 system	E63/E64		
BMW	6 system	F06/F12/F13		
BMW	7 system	E65/E66/E68		
BMW	7 system	F01/F02/F03/F04		
BMW	I system	I01/I12		
BMW	X system	X1 F49		
BMW	X system	X1 E84		
BMW	X system	X3 F25		
BMW	X system	X4 F26		
BMW	X system	X5 E70		
BMW	X system	X5 F15/F85		
BMW	X system	X6 E71/E72		
BMW	X system	X6 F16/F86		
BMW	Z system	Z4 E89		

BMW	Mini	R55/R56/R57/R58/R59/ R60/R61		
BMW	Mini	F55/F56		
Bentley	19-CAN Gateway			
Bentley	61- Battery adjustment			
Bugatti	19-CAN Gateway			
Bugatti	61- Battery adjustment			
Ford / China Ford	Classification by module	Battery reset		
Ford / China Ford	Classification by module	Raptor (U.S. Edition) Electric pedal reset		
Ford / China Ford	Model classification	C-MAX		
Ford / China Ford	Model classification	Continental		
Ford / China Ford	Model classification	Edge		
Ford / China Ford	Model classification	EcoSport		
Ford / China Ford	Model classification	GALAXY\S-MAX		
Ford / China Ford	Model classification	Escape/Kuga		
Ford / China Ford	Model classification	Escort		
Ford / China Ford	Model classification	EVEREST		
Ford / China Ford	Model classification	Expedition		
Ford / China Ford	Model classification	Explorer		
Ford / China Ford	Model classification	Raptor (F-150)		
Ford / China Ford	Model classification	Raptor (F-650)		
Ford / China Ford	Model classification	Raptor (F-750)		
Ford / China Ford	Model classification	Fiesta		
Ford / China Ford	Model classification	Flex		
Ford / China Ford	Model classification	Focus		
Ford / China Ford	Model classification	Ford GT		

Ford / China Ford	Model classification	Fusion		
Ford / China Ford	Model classification	Kuga/Escape		
Ford / China Ford	Model classification	MKC		
Ford / China Ford	Model classification	MKS		
Ford / China Ford	Model classification	MKT		
Ford / China Ford	Model classification	MKX		
Ford / China Ford	Model classification	MKZ		
Ford / China Ford	Model classification	Mustang		
Ford / China Ford	Model classification	Mondeo		
Ford / China Ford	Model classification	Nautilus		
Ford / China Ford	Model classification	Navigator		
Ford / China Ford	Model classification	Ranger/Mazda B-Serise/Troller		
Ford / China Ford	Model classification	Taurus		
Ford / China Ford	Model classification	Transit		
Ford / China Ford	Model classification	Transit Connect		
Ford / China Ford	Model classification	Troller		
Citroen	C3 A51(2010 Year to 2012 year)			
Citroen	C3 Aircross(A88)			
Citroen	C3 (B618)			
Citroen	C3 PICASSO(A58) (2012 Years later)			
Citroen	C3-XR	Manual configuration		
Citroen	C4 (2004 Year to 2010 year)			
Citroen	C4(B7) (2010 Years later)	Manual configuration		
Citroen	C4-CACTUS			

Citroen	C4L (B7) (2012 Years later)	Manual configuration		
Citroen	C4L (BZ3) CHINA (2012 Years later)	Manual configuration		
Citroen	C4 SEDAN (2008 Year to 2012)			
Citroen	C4 PICASSO (2006 Year to 2012)			
Citroen	C4 PICASSO (B78) (2012 Years later)			
Citroen	C5 (X7) (2007 Years later)			
Citroen	C5 Aircross			
Citroen	C5 (NEW)			
Citroen	C6 (2006 Year to 2008 year)			
Citroen	C6 CHINA			
Citroen	C-ELYSEE (2012 Years later)	Manual configuration		
Citroen	DS3 (2010 Year to 2014)			
Citroen	DS4 (2011 Years later)	Manual configuration		
Citroen	DS4S	Manual configuration		
Citroen	DS5 (2012 Years later)			
Citroen	DS5 Hybird 4 (2013 Years later)			
Citroen	DS5 LS	Manual configuration		
Citroen	DS6	Manual configuration		
Citroen	DS7			
Citroen	Berlingo (B9) (2008 Year to 2012)			

Citroen	BERLINGO Electric (B9e) (2012 Years later)			
Citroen	JUMPY3/DISPATCH3 (2006 Years later)			
Citroen	JUMPY (KO) /DISPATCH (KO)			
Citroen	SPACETOURER			
GM	Cadillac	ATS	2013 Year to 2019 year	
GM	Cadillac	CTS	2014 Year to 2019 year	
GM	Cadillac	CT6	2016 Year to 2019 year	
GM	Cadillac	Escalade	2018 Year to 2019 year	
GM	Cadillac	Escalade ESV	2018 Year to 2019 year	
GM	Cadillac	XT4	2019	
GM	Cadillac	XT5	2017 Year to 2019 year	
GM	Chevrolet	Aveo	2013 Year to 2020 year	
GM	Chevrolet	Caprice	2014	
GM	Chevrolet	Captiva	2012 Year to 2018 year	
GM	Chevrolet	Corvette	2017	
GM	Chevrolet	Colorado	2019	
GM	Chevrolet	Cruze	2012 Year to 2018 year	
GM	Chevrolet	Impala	2015 Year to 2020 year	
GM	Chevrolet	Lumina	2014	
GM	Chevrolet	Malibu	2012 Year to 2019 year	
GM	Chevrolet	Onix	2018	
GM	Chevrolet	Orlando	2013 Year to 2018 year	
GM	Chevrolet	Prisma	2017	
GM	Chevrolet	Spark	2016 Year to 2019 year	
GM	Chevrolet	Silverado	2018 Year to 2019 year	
GM	Chevrolet	Sonic	2012 Year to 2020 year	

GM	Chevrolet	Suburban	2018 Year to 2019 year	
GM	Chevrolet	Tahoe	2018 Year to 2019 year	
GM	Chevrolet	Tracker	2013 Year to 2019 year	
GM	Chevrolet	Trax	2013 Year to 2019 year	
GM	GMC	Acadia	2018 Year to 2019 year	
GM	GMC	Canyon	2019	
GM	GMC	Sierra	2018 Year to 2019 year	
GM	GMC	Yukon XL	2018 Year to 2019 year	
GM	GMC	Yokon	2018 Year to 2019 year	
GM	Hokden	Acadia	2019	
GM	Hokden	Astra-J	2015 Year to 2018 year	
GM	Hokden	Barina Spark	2014 Year to 2015 year	
GM	Hokden	Barina	2014 Year to 2015 year	
GM	Hokden	Cascade	2015 Year to 2018 year	
GM	Hokden	Caprice	2015	
GM	Hokden	Captiva 5	2012 Year to 2015 year	
GM	Hokden	Commodore	2014 Year to 2020 year	
GM	Hokden	Cruze	2012	
GM	Buick	Enclave	2018 Year to 2019 year	
GM	Buick	Envision	2016 Year to 2020 year	
GM	Buick	Regal	2015	
GM	Buick	Lacrosse (New LaCrosse)	2017 Year to 2019 year	
GM	Buick	Verano	2012 Year to 2018 year	
Chrysler / Jeep / Dodge	200	2008 Year to 2014 year		
Chrysler / Jeep / Dodge	Aspen (2009)			
Chrysler / Jeep / Dodge	Avenger	2008 Year to 2014 year		

Chrysler / Jeep / Dodge	Caliber	2008 Year to 2014 year		
Chrysler / Jeep / Dodge	Grand Caravan	2008 Year to 2017 year		
Chrysler / Jeep / Dodge	Compass	2008 Year to 2017 year		
Chrysler / Jeep / Dodge	Durango	2012 Year to 2014 year		
Chrysler / Jeep / Dodge	Grand Cherokee	2011 Year to 2013 year		
Chrysler / Jeep / Dodge	Journey	2008 Year to 2010 year		
Chrysler / Jeep / Dodge	Liberty	2008 Year to 2015 year		
Chrysler / Jeep / Dodge	Nitro	2007 Year to 2012 year		
Chrysler / Jeep / Dodge	PT Cruiser	2006 Year to 2010 year		
Chrysler / Jeep / Dodge	Pacifica (2017)			
Chrysler / Jeep / Dodge	Ram (Mexico)	2011 Year to 2012 year		
Chrysler / Jeep / Dodge	Ram 1500	2011 Year to 2012 year		
Chrysler / Jeep / Dodge	Ram 2500	2011 Year to 2012 year		
Chrysler / Jeep / Dodge	Ram 3500 Cab Chassis	2012		
Chrysler / Jeep / Dodge	Ram 3500 Pickup	2011 Year to 2012 year		

Chrysler / Jeep / Dodge	Ram 4500	2012		
Chrysler / Jeep / Dodge	Ram 5500	2012		
Chrysler / Jeep / Dodge	Routan	2009 Year to 2014 year		
Chrysler / Jeep / Dodge	Sebring	2008 Year to 2014 year		
Chrysler / Jeep / Dodge	Town & Country	2008 Year to 2017 year		
Chrysler / Jeep / Dodge	Voyager	2008 Year to 2017 year		
Chrysler / Jeep / Dodge	Wrangler	2007 Year to 2017 year		
Chrysler / Jeep / Dodge	Wrangler (Export)	2008 Year to 2017 year		
Jaguar	F TYPE	2014 Year to 2015 year		
Jaguar	F TYPE	2016 Years later		
Jaguar	F-PACE	2017 after		
Jaguar	XJ	2010 Year to 2012 year		
Jaguar	XJ	2013 Year to 2015 year		
Jaguar	XJ	2016 Years later		
Jaguar	XE	2016		
Jaguar	XE	2017 Years later		
Jaguar	XF	2008 Year to 2012 year		

Jaguar	XF	2013 Year to 2015 year	Types of 1	
Jaguar	XF	2013 Year to 2015 year	Types of 2	
Jaguar	XF	2016 Years later		
Jaguar	XK	2010 Year to 2015 year		
Lamborghini	19-CAN Gateway			
Lamborghini	61- Battery adjustment			
Land Rover	Freelander 2	2007 Year to 2010 year		
Land Rover	Freelander 2	2011 Year to 2012 year		
Land Rover	Freelander 2	2013 Year to 2014 year		
Land Rover	Discovery 4	2010 Year to 2013 year		
Land Rover	Discovery 4	2014 Year to 2016 year		
Land Rover	Discovery Sport	2015 Year to 2016 year		
Land Rover	Discovery Sport	2017 after		
Land Rover	Range Rover	2010 Year to 2012 year		
Land Rover	Range Rover	2013		
Land Rover	Range Rover	2014 Year to 2015 year		
Land Rover	Range Rover	2016 Years later		
Land Rover	Range Rover Sport	2010 Year to 2013 year		

Land Rover	Range Rover Sport	2014 Year to 2015 year		
Land Rover	Range Rover Sport	2016 Years later		
Land Rover	Evoque	2012 Year to 2013 year		
Land Rover	Evoque	2014 Year to 2015 year		
Land Rover	Evoque	2016 Years later		
Land Rover	Evoque Convertible(Aurora Convertible)	2016 Years later		
Land Rover	Evoque(L538JV)	2016 Years later		
Lexus	Hybrid			
Lexus	HV Battery			
Lexus	Switch battery type			
Lexus	Query the current battery type			
Toyota	Hybrid			
Toyota	HV Accumulator			
Toyota	Switch battery type			
Toyota	Query the current battery type			
Volvo	S60(11-)			
Volvo	S80(07-)			
Volvo	V40(13-)			
Volvo	V60(11-)			
Volvo	V70(08-)			
Volvo	XC60			
Volvo	XC70(08-)			
VW	19-CAN Gateway			
VW	61- Battery adjustment			

Audi	19-CAN Gateway			
Audi	61- Battery adjustment			
Skoda	19-CAN Gateway			
Skoda	61- Battery adjustment			
SEAT	19-CAN Gateway			
SEAT	61- Battery adjustment			
Porsche	911			
Porsche	BOXSTER	981		
Porsche	BOXSTER	982		
Porsche	Cayenne (92A)			
Porsche	Cayenne (9YA)			
Porsche	Panamera 970			
Porsche	Panamera 971			
Porsche	MACAN			
Renault	KANGOO ZE/STOPSTART/PH2			
Renault	MASTER III			
Renault	MEGANE IV			
Renault	NEW SM3/FLUENCE/MEGANE			
Renault	SCENIC IV			
Renault	TWIZY			
Renault	ZOE			
Opel / Vauxhall	ADAM	2013 Year to 2018 year		
Opel / Vauxhall	Ampera	2012 Year to 2016 year		
Opel / Vauxhall	Ampera e	2017 Year to 2018 year		
Opel / Vauxhall	ASTRA J	2010 Year to 2018 year		

Opel / Vauxhall	ASTRA K	2016 Year to 2018 year		
Opel / Vauxhall	Corsa E	2015 Year to 2018 year		
Opel / Vauxhall	CASCADA	2013 Year to 2018 year		
Opel / Vauxhall	MOKKA	2014 Year to 2018 year		
Opel / Vauxhall	Meriva B	2014 Year to 2017 year		
Opel / Vauxhall	Insignia	2009 Year to 2017 year		
Opel / Vauxhall	Insignia B	2018		
Opel / Vauxhall	Karl Viva	2016 Year to 2018 year		
Opel / Vauxhall	ZAFIRA C	2012 Year to 2018 year		
Peugeot	207 CAN(2007 Years later)			
Peugeot	207+(2012 Years later)			
Peugeot	208(2012 Years later)			
Peugeot	301(2013 Years later)			
Peugeot	308(2007 Years later)			
Peugeot	308 4 PORTES (2007 Years later)			
Peugeot	308 T9			
Peugeot	308 TX9			
Peugeot	308 S			

Peugeot	407 (2004 Year to 2010 year)			
Peugeot	408 (2010 Years later)			
Peugeot	408 T93			
Peugeot	508 (2011 Years later)			
Peugeot	508 HYBbrid4 (2011 Years later)			
Peugeot	508 RXH (2011 Years later)			
Peugeot	2008 (2013 Years later)			
Peugeot	3008 (2009 Years later)			
Peugeot	3008_Chine (2009 Years later)			
Peugeot	3008 HYBRID4 (2009 Years later)			
Peugeot	3008 (P84)			
Peugeot	4008 CHINA			
Peugeot	5008 (2010 Years later)			
Peugeot	5008 (P84)			
Peugeot	EXPERT 3 (2007 Years later)			
Peugeot	EXPERT (K0)			
Peugeot	PARTNER B9 (2008 Years later)			
Peugeot	PARTNER Electric (B9e) (2012 Years later)			

Peugeot	RCZ(2010 Years later)			
Peugeot	TRAVELLER			
HYUNDAI	Common area	ELANTRA COUPE (JK) (2013 Year to 2016 year)		
HYUNDAI	Common area	ELANTRA (AD) (2018)		
HYUNDAI	Common area	ELANTRA (ADA) (2017 Year to 2018 year)		
HYUNDAI	Common area	ELANTRA (MD/MDI/UD) (2 012 Year to 2016 year)		
HYUNDAI	Common area	G70 (IK) (2018)		
HYUNDAI	Common area	G80 (DH) (2017 Year to 2018 year)	G 5.0 GDI (Gasoline direct injection engine)	
HYUNDAI	Common area	G80 (DH) (2017 Year to 2018 year)	G 3.8 GDI (Gasoline direct injection engine)	
HYUNDAI	Common area	G80 (DH) (2017 Year to 2018 year)	G 3.3 T-GDI	
HYUNDAI	Common area	G80 (DH) (2017 Year to 2018 year)	G 2.0 T-GDI	
HYUNDAI	Common area	G90 (HI) (2017 Year to 2018 year)	G 5.0 GDI (Gasoline direct injection engine)	
HYUNDAI	Common area	G90 (HI) (2017 Year to 2018 year)	G 3.8 GDI (Gasoline direct injection engine)	
HYUNDAI	Common area	G90 (HI) (2017 Year to 2018 year)	G 3.3 T-GDI	

HYUNDAI	Common area	GENESIS COUPE (BK) (2012 Year to 2017 year)		
HYUNDAI	Common area	GRAND SANTAFE (NC)		
HYUNDAI	Common area	GRANDEUR/AZERA (HG) (2 012 Year to 2017 year)		
HYUNDAI	Common area	H- 1/iMAX/iLOAD (TQ) (201 6 Year to 2018 year)		
HYUNDAI	Common area	i10 (IA) (2018)		
HYUNDAI	Common area	i20 (GB) (2016 Year to 2018 year)		
HYUNDAI	Common area	i30 (GD) (2013 Year to 2018 year)		
HYUNDAI	Common area	i30 (PD/PDE/PDEN) (201 7 Year to 2018 year)	G 1.0 T-GDI	
HYUNDAI	Common area	i30 (PD/PDE/PDEN) (201 7 Year to 2018 year)	G 1.4 T-GDI	
HYUNDAI	Common area	i30 (PD/PDE/PDEN) (201 7 Year to 2018 year)	G 1.6 T-GDI (Turbocharged gasoline direct injection engine)	
HYUNDAI	Common area	i30 (PD/PDE/PDEN) (201 7 Year to 2018 year)	G 2.0 T-GDI (Turbocharged gasoline direct injection engine)	

HYUNDAI	Common area	i40 (VF) (2012 Year to 2018 year)		
HYUNDAI	Common area	IQNIQ Electric (AE EV) (2017 Year to 2018 year)		
HYUNDAI	Common area	IQNIQ Hybrid (AE HEV) (2017 Year to 2018 year)	BMS	
HYUNDAI	Common area	IQNIQ Hybrid (AE HEV) (2017 Year to 2018 year)	ECM	
HYUNDAI	Common area	IQNIQ Phev (AE PHEV) (2017 Year to 2018 year)	BMS	
HYUNDAI	Common area	IQNIQ Phev (AE PHEV) (2017 Year to 2018 year)	ECM	
HYUNDAI	Common area	IX35 (EL)		
HYUNDAI	Common area	Kona (OS) (2018)	G 2.0 MPI	
HYUNDAI	Common area	Kona (OS) (2018)	G 1.6 T-GDI (Turbocharged gasoline direct injection engine)	
HYUNDAI	Common area	Kona (OS) (2018)	G 1.0 T-GDI	
HYUNDAI	Common area	Santafe Sport (DMA)	2013 Year to 2016 year	
HYUNDAI	Common area	Santafe Sport (DMA)	2017 Year to 2018 year	
HYUNDAI	Common area	Santafe (DM) (2013 Year to 2018 year)		

HYUNDAI	Common area	SONATA HYBRID(LF HEV) (2015 Year to 2018 year)	BMS	
HYUNDAI	Common area	SONATA HYBRID(LF HEV) (2015 Year to 2018 year)	ECM	
HYUNDAI	Common area	SONATA HYBRID(YF HEV) (2013 Year to 2015 year)		
HYUNDAI	Common area	SONATA (LF) (2015 Year to 2018 year)	G 2.4 MPI	
HYUNDAI	Common area	SONATA (LF) (2015 Year to 2018 year)	G 2.4 GDI(Gasoline direct injection engine)	
HYUNDAI	Common area	SONATA (LF) (2015 Year to 2018 year)	G 2.0 T-GDI(Turbocharged gasoline direct injection engine)	
HYUNDAI	Common area	SONATA (LF) (2015 Year to 2018 year)	G 2.0 MPI	
HYUNDAI	Common area	SONATA (LFA)	2015 Year to 2017 year	
HYUNDAI	Common area	SONATA (LFA)	2018	G 2.4 GDI
HYUNDAI	Common area	SONATA (LFA)	2018	G 2.0 T-GDI
HYUNDAI	Common area	SONATA (LFA)	2018	G 1.6 T-GDI
HYUNDAI	Common area	SONATA/i45 (YF/YFI/YF A) (2011 Year to 2015 year)		
HYUNDAI	Common area	Tucson (LM) – BRAZIL (2017 Year to 2018 year)		

HYUNDAI	Common area	Tucson/ix35(LM) (2010 Year to 2016 year)		
HYUNDAI	Common area	Tucson(TL/TLe/TLI) (2015 Year to 2018 year)	G 2.0 MPI	
HYUNDAI	Common area	Tucson(TL/TLe/TLI) (2015 Year to 2018 year)	F 2.0 MPI	
HYUNDAI	Common area	Tucson(TL/TLe/TLI) (2015 Year to 2018 year)	G 2.4 GDI(Gasoline direct injection engine)	
HYUNDAI	United States	ACCENT(HC) (2018)		
HYUNDAI	United States	Elantra(AD/ADA) (2017 Year to 2018 year)	G 2.0 MPI	
HYUNDAI	United States	Elantra(AD/ADA) (2017 Year to 2018 year)	G 1.6 T-GDI(Turbocharged gasoline direct injection engine)	
HYUNDAI	United States	Elantra(AD/ADA) (2017 Year to 2018 year)	G 1.4 T-GDI	
HYUNDAI	United States	ELANTRA (MD/UD) (2011 Year to 2016 year)		
HYUNDAI	United States	ELANTRA COUPE (JK) (2013 Year to 2015 year)		
HYUNDAI	United States	ELANTRA GT(GD) (2013 Year to 2017 year)		
HYUNDAI	United States	ELANTRA GT(PD) (2018)		
HYUNDAI	United States	G80(DH) (2018)	G 3.3 T-GDI	
HYUNDAI	United States	G80(DH) (2018)	G 3.8 GDI	

HYUNDAI	United States	G80 (DH) (2018)	G 5.0 GDI	
HYUNDAI	United States	G90 (HI) (2017 Year to 2018 year)	G 3.3 T-GDI	
HYUNDAI	United States	G90 (HI) (2017 Year to 2018 year)	G 5.0 GDI	
HYUNDAI	United States	GENESIS COUPE (BK) (2013 Year to 2016 year)		
HYUNDAI	United States	loniq elsc tric (AE EV)	2017 Year to 2019 year	
HYUNDAI	United States	loniq hybrid (AE EV)	2017 Year to 2019 year	
HYUNDAI	United States	loniq Plug-in Hybrid (AE PHEV)	2018 Year to 2019 year	
HYUNDAI	United States	Kona (OS) (2018)	G 1.6 T-GDI	
HYUNDAI	United States	Kona (OS) (2018)	G 2.0 MPI	
HYUNDAI	United States	Kona electric (OS EV)	2019	
HYUNDAI	United States	Nexo (FE)	2019	
HYUNDAI	United States	SANTAFE SPORT (DMA) (2013 Year to 2018 year)		
HYUNDAI	United States	SONATA HEV (LF HEV/PHEV) (2016 Year to 2017 year)	ECM	
HYUNDAI	United States	SONATA HEV (LF HEV/PHEV) (2016 Year to 2017 year)	BMS	
HYUNDAI	United States	SONATA (LFA) (2015 Year to 2017 year)		
HYUNDAI	United States	SONATA (LFA) (2018)	G 2.4 GDI	
HYUNDAI	United States	SONATA (LFA) (2018)	G 2.0 T-GDI	

HYUNDAI	United States	SONATA (LFA) (2018)	G 1.6 T-GDI	
HYUNDAI	United States	SONATA (YFA) (2011 Year to 2014 year)		
HYUNDAI	United States	SONATA HYBRID (YF HEV) (2011 Year to 2015 year)		
HYUNDAI	United States	Sonata Hybrid (LF HEV)	2016 Year to 2019 year	
HYUNDAI	United States	Sonata plug-in hybrid (LF PHEV)	2016 Year to 2019 year	
HYUNDAI	United States	TUCSON (LM) (2014 Year to 2015 year)		
HYUNDAI	Europe	Ioniq electric (AE EV)	2017 Year to 2019 year	
HYUNDAI	Europe	Ioniq hybrid (AE HEV)	2017 Year to 2019 year	
HYUNDAI	Europe	Ioniq Plug-in Hybrid (AE PHEV)	2017 Year to 2019 year	
HYUNDAI	Europe	Kona electric (OS EV)	2018 Year to 2019 year	
HYUNDAI	Europe	Nexo (FE)	2019	
HYUNDAI	Europe	Sonata Hybrid (LF HEV)	2015 Year to 2019 year	
HYUNDAI	Europe	Sonata Hybrid (LF HEV) - U.S. Edition	2015 Year to 2018 year	
HYUNDAI	South Korea	Yazun Hybrid (IG HEV)	2018	
HYUNDAI	South Korea	Ioniq Pure electric vehicle (AE EV))	2017 Year to 2018 year	
HYUNDAI	South Korea	Ioniq Hybrid car (AE HEV)	2016 Year to 2018 year	

HYUNDAI	South Korea	Ioniq Plug-in hybrid version (AE PHEV)	2017 Year to 2018 year	
HYUNDAI	South Korea	Nexo (FE)	2019	
HYUNDAI	South Korea	Sonata Hybrid (LF HEV)	2015 Year to 2018 year	
HYUNDAI	South Korea	Sonata plug-in hybrid (LF PHEV)	2016 Year to 2017 year	
HYUNDAI	South Korea	Sonata plug-in hybrid version (LF PHEV)	2016 Year to 2018 year	
Isuzu	Battery life reset request			
Kia	Common area	CADENZA (VG) (2012 Year to 2016 year)		
Kia	Common area	CADENZA (YG) (2017 Year to 2018 year)		
Kia	Common area	CARENS/RONDO (RP) (2014 Year to 2018 year)		
Kia	Common area	CEE' D (JD) (2016 Year to 2018 year)		
Kia	Common area	CERATO/FORTE (YD/YDM) (2013 Year to 2015 year)		
Kia	Common area	CERATO/FORTE (YD/YDM) (2016 Year to 2018 year)	G 2.0 MPI NU	
Kia	Common area	CERATO/FORTE (YD/YDM) (2016 Year to 2018 year)	G 1.8 MPI NU	

Kia	Common area	K2500/K2700/K3000/K3000S (PU) (2016 Year to 2018 year)		
Kia	Common area	OPTIMA HEV (JF HEV)	2016	BMS
Kia	Common area	OPTIMA HEV (JF HEV)	2016	ECM
Kia	Common area	OPTIMA HEV (JF HEV)	2017 Year to 2018 year	
Kia	Common area	OPTIMA PHEV (JF PHEV) (2016 Year to 2018 year)	BMS	
Kia	Common area	OPTIMA PHEV (JF PHEV) (2016 Year to 2018 year)	ECM	
Kia	Common area	OPTIMA (JF/JFA) (2016 Year to 2018 year)	G2.4 MPI THETA II	
Kia	Common area	OPTIMA (JF/JFA) (2016 Year to 2018 year)	G2.4 GDI THETA II	
Kia	Common area	OPTIMA (JF/JFA) (2016 Year to 2018 year)	G2.0 TGI THETA II	
Kia	Common area	OPTIMA (JF/JFA) (2016 Year to 2018 year)	G2.0 MPI-NU	
Kia	Common area	OPTIMA (JF/JFA) (2016 Year to 2018 year)	G2.0 CVVL-NU	
Kia	Common area	Niro (DE HEV)	BMS	
Kia	Common area	Niro (DE HEV)	ECM	
Kia	Common area	Niro (DE PHEV) (2018)		
Kia	Common area	Optima HEV (TF HEV) (2012 Year to 2015 year)		

Kia	Common area	OPTIMA Voyage (TF) (2013 Year to 2016 year)		
Kia	Common area	Picanto/Morning (2018)		
Kia	Common area	RIO (YB)		
Kia	Common area	SORENTO (XM) (2013 Year to 2015 year)		
Kia	Common area	Sorento (UM/UMA) (2015 Year to 2019 year)	G 2.4 MPI THETA II	
Kia	Common area	Sorento (UM/UMA) (2015 Year to 2019 year)	G 2.4 GDI THETA II	
Kia	Common area	Sorento (UM/UMA) (2015 Year to 2019 year)	G 2.0 T-GDI THETA2	
Kia	Common area	SOUL (AM) (2012 Year to 2014 year)		
Kia	Common area	SOUL (PS)	2013 Year to 2016 year	
Kia	Common area	SOUL (PS)	2017 Year to 2018 year	G 2.0 NU MPI
Kia	Common area	SOUL (PS)	2017 Year to 2018 year	G 1.6 T-GDI GAMMA
Kia	Common area	SOUL (PS)	2017 Year to 2018 year	G 1.6 GDI GAMMA
Kia	Common area	SPORTAGE (SL/SLE) (2013 Year to 2016 year)		
Kia	Common area	SPORTAGE (QL/QLE) (2016 Year to 2018 year)	G 2.4 GDI THETA II	
Kia	Common area	SPORTAGE (QL/QLE) (2016 Year to 2018 year)	G 2.0 MPI-NU	

Kia	Common area	SPORTAGE (QL/QLE) (2016 Year to 2018 year)	G 2.0 MPI FFV NU	
Kia	Common area	STINGER (CK) (2018)		
Kia	Common area	STONIC (YB CUV) (2018)		
Kia	United States	CADENZA (YG) (2017 Year to 2018 year)		
Kia	United States	FORTE (YD) (2014 Year to 2016 year)		
Kia	United States	Forte (YDm) (2017)		
Kia	United States	Niro (DE EV)	2019	
Kia	United States	Niro (DE HEV)	Type One	
Kia	United States	Niro (DE HEV)	Type two	
Kia	United States	Niro (DE PHEV)	Type One	
Kia	United States	Niro (DE PHEV)	Type two	
Kia	United States	Optima HYBRID (JF HEV)	Type One	
Kia	United States	Optima HYBRID (JF HEV)	Type two	
Kia	United States	Optima PHEV (JF PHEV)	Type One	
Kia	United States	Optima PHEV (JF PHEV)	Type two	
Kia	United States	OPTIMA HYBRID (TF HEV) (2014 Year to 2016 year)		
Kia	United States	OPTIMA (JF/JFA) (2016 Year to 2018 year)		
Kia	United States	OPTIMA Voyage (TF/QF) (2011 Year to 2015 year)		
Kia	United States	RIO (SC) (2018)		

Kia	United States	SORENTO(UM) (2016 Year to 2018 year)		
Kia	United States	SORENTO(XM) (2011 Year to 2015 year)		
Kia	United States	SOUL(PS) (2016 Year to 2018 year)		
Kia	United States	SPORTAGE(QL) (2016 Year to 2018 year)		
Kia	United States	Stinger(CK) (2018)		
Kia	Europe	Niro(DE EV)	2019	
Kia	Europe	Niro(DE HEV)	2017 Year to 2019 year	
Kia	Europe	Niro(DE HEV) -For Mexico	2017 Year to 2019 year	
Kia	Europe	Niro(DE PHEV)	2018 Year to 2019 year	
Kia	Europe	Niro(DE PHEV) -For Mexico	2017 Year to 2019 year	
Kia	Europe	optima(JF HEV)	2016 Year to 2020 year	
Kia	Europe	optima PHEV(JF PHEV)	2016 Year to 2019 year	
Kia	Korea	K5 HEV(JF HEV)	2016 Year to 2018 year	
Kia	Korea	K5 PHEV(JF PHEV)	2016 Year to 2018 year	
Kia	Korea	K7 HEV(YG HEV)	2017 Year to 2018 year	
Kia	Korea	Niro(DE HEV)	2017 Year to 2018 year	
Kia	Korea	Niro(DE PHEV)	2017 Year to 2018 year	
Mazda	By type	Auto reset		
Mazda	By type	Manual reset		
Mazda	By model	Atenza		
Mazda	By model	Axela		
Mazda	By model	Angkesella Hybrid		
Mazda	By model	B-Series	Auto reset	
Mazda	By model	B-Series	Manual reset	

Mazda	By model	Mazda Biante		
Mazda	By model	CX-3		
Mazda	By model	CX-4		
Mazda	By model	CX-5		
Mazda	By model	CX-7		
Mazda	By model	CX-8		
Mazda	By model	CX-9		
Mazda	By model	Demio		
Mazda	By model	MPV		
Mazda	By model	MX-5		
Mazda	By model	Mazda 2		
Mazda	By model	Mazda 3		
Mazda	By model	Mazda 5		
Mazda	By model	Mazda 6		
Mazda	By model	Mazda 8		
Mazda	By model	Premacy		
Mazda	By model	RX-8		
Mazda	By model	Roadster		
Mazda	By model	Verisa		
Mitsubishi	Japan	I-MiEV		
Mitsubishi	Japan	MINICAB-MiEV		
Mitsubishi	Japan	OUTLANDER-PHEV		
Mitsubishi	Europe	I-MiEV		
Mitsubishi	Europe	OUTLANDER-PHEV		
Mitsubishi	North America	I-MiEV		
Mitsubishi	Australia	I-MiEV		
Mitsubishi	Australia	OUTLANDER-PHEV		
Mitsubishi	Others	I-MiEV		
Mitsubishi	Others	MINICAB-MiEV		

Mitsubishi	Others	OUTLANDER-PHEV		
NISSAN	Auto scan			
INFINITI	Auto scan			
HONDA	Integrated electric assist system(IMA)			
ACURA	Integrated electric assist system(IMA)			
BENZ	C series	205		
BENZ	E series	213		
BENZ	ML series	166		

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