

TACHO SPECIAL PRO



Programador Universal Multimarca para uso Profissional para reset e reparação de painel de instrumentos, Airbag, Imobilizador e Rádios.

Vem com todos os acessórios, software, esquemas, diagramas e fotografias de ligação a todos os modulos convenientemente integrado no software de programação do PDA.

*A Gtronica é distribuidor deste equipamento em Portugal.
Contacte-nos para revenda shop@gtronica.com*

Permite

- Ler códigos de imobilizador para efectuar trocas de centralinas, adicionar chaves, trocar painel de instrumentos
- Reset a painel de instrumentos para instalação em veículos diferentes do original com os kilometros correctos
- Ler código de rádios
- Reset e reparação de módulos de Airbag
- Programador Universal de memorias e microcontroladores
- Suporta Multimarcas, vem com todos os acessórios necessários, ver tabelas.

Composto por

- PDA system based on ARM 925 TDI 233Mhz
- Unidade central com microprocessador
- Adaptadores para todos os modelos suportados
- Cabos para todos os modelos suportados
- Software instalado no PDA
- Esquemas de ligação com fotografia e explicação detalhada
- Mala de transporte
- Actualizações gratuitas durante 2 anos

This is the most complete programming device for digital odometers, airbag modules, car radios, car immobilizers. It is a high-quality embedded system, which offers a maximum of flexibility and working comfort.

Characteristics of the system

- The current odometer reading is decoded and indicated.
- Intuitive operability by full menu guidance.
- Color connection picture is on the screen whenever you need.
- All data can be edited, stored and loaded.
- The stored data can be transferred to a PC for archiving.
- EEPROM, EPROM and FLASH programming of MCU is supported.
- Upgrade from the internet (free for a year).

PALM

The Palm is an advanced PDA system based on ARM 925 TDI.

Technical reference

- S3C2410 32-bit processor 233MHz
- 64MB NandFlash, 64MB SDRAM
- 320x240 TFT LCD and touch screen
- 1 USB HOST
- 1 USB DEVICE
- SD card interface
- RTC (lithium battery)
- URT interface



MAIN HARDWARE

The main hardware is a high-speed MCU-controlled data processing unit, it can communicate with the Palm and the operating target.

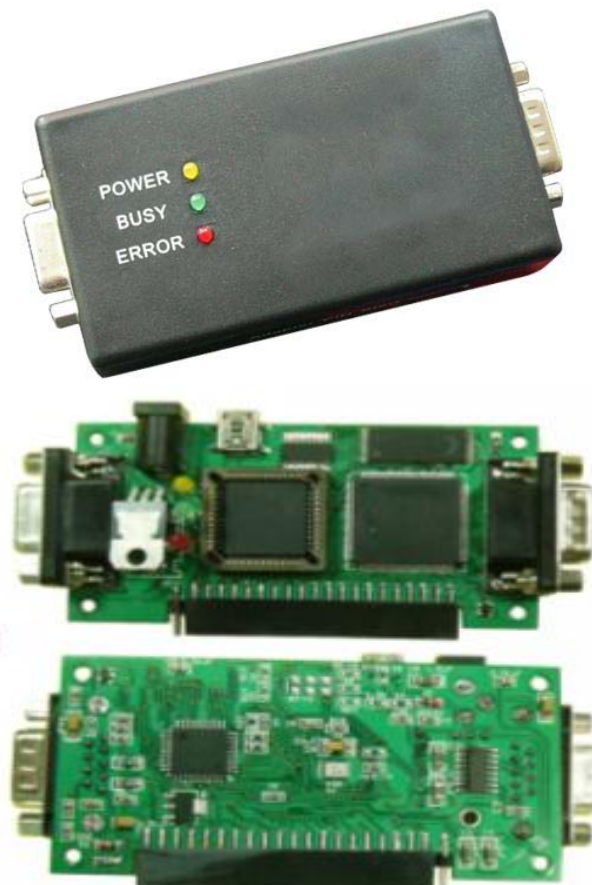
DB9-female is used to connect the main hardware to the Palm.

DB9-male and USB used to connect the main hardware to the target OBD socket.

Adapter-Connector is used to connect the main hardware to the target adapter.

Led-Indicators are used to indicate the operating state of the main hardware, while the red led indicates 'power on', the green led indicates 'busy', and the yellow led indicates 'error'.

Power-Connector is used to supply 12V-DC to the system.



ODOMETER ADJUSTMENT

Click the 'ODOMETER' button on the main window (Figure 1), you will see the window as Figure 3, choose 'Adapter' or 'OBD', click 'OK' button, you will see the make list window (Figure 4), select make such as 'VOLVO' and double click, mode list window appears as Figure 5, double click on a model such as 'S80 112PIN 3K91D', you will see the help window as Figure 6, click 'Connect Picture', you can see a color picture which show you how to connect a proper adapter to the target odometer pcb (Figure 7), you can zoom out or zoom in the picture so that



Figure 1

you can see it more clearly (Figure 8); after connecting the adapter and the target odometer pcb correctly, you can plug the adapter into the Adapter-Connector of the main hardware **(Cautions: On the Adapter-Connector of main hardware and each Adapters, there is a little white arrow, plug the Adapter to the main hardware along the arrow side, and arrow direction is face to face)**, then click 'OK' button, the odometer adjustment window appears as Figure 9, in this window you can read current km by 'Read KM' button, backup data by 'Backup' button, and recover your backedup data to the target odometer by 'Recovery' button.

Before making adjustment you should backup data first, click 'Backup' button, the current data of the odometer is automatically saved to the 'ResidentFlash/ userdata' directory. After you backup data, a new window with 'Write KM' button appears (Figure 2), click 'Write KM' button and input a new km in Figure 3, then click 'OK' button and wait a moment the adjustment operation is finished.



Figure 2

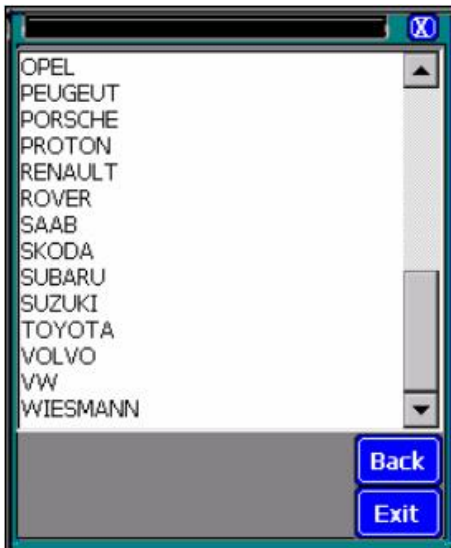


Figure 3

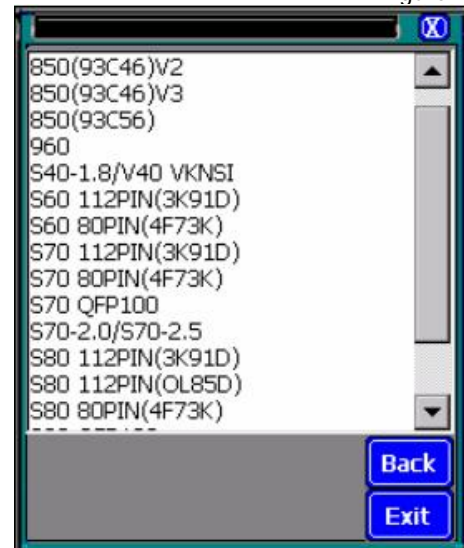


Figure 4

Notes

BSI unit adjusting

Before adjusting some odometers, you have to reset BSI unit first, such as 'peugeot 307', you should select 'BSI' and reset the km to zero, then adjust the km of odometer. See Figure 4.

LCM/ EWS/ CAS unit adjusting

Before adjusting some BMW odometers you have to reset the km in LCM/ EWS/ CAS unit first, this operation is similar to odometer adjustment. See Figure 5

OBD and Adapter selection

Some cars have two adjustment methods, one is by OBD connector, the other is by Adapter. You should choose OBD method firstly, because this method is more convenient and safe than the other. See Figure 3.see Figure 6 for details.

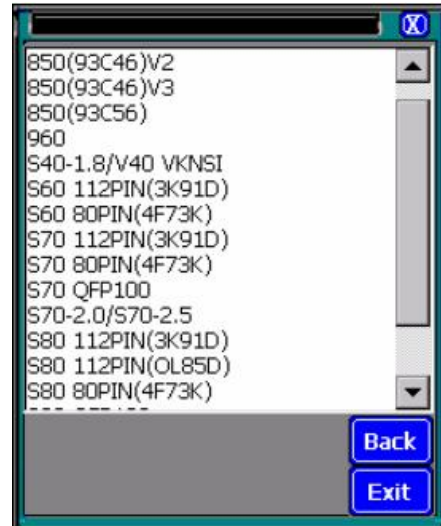


Figure 5

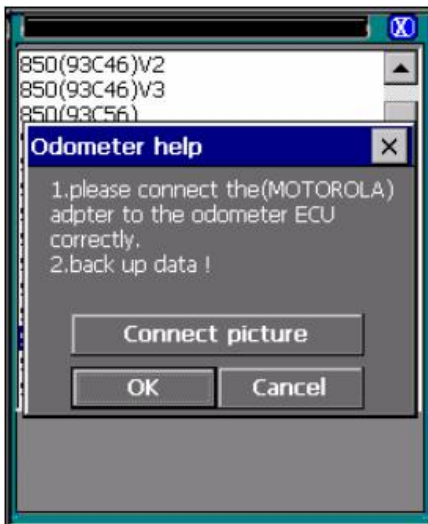


Figure 6

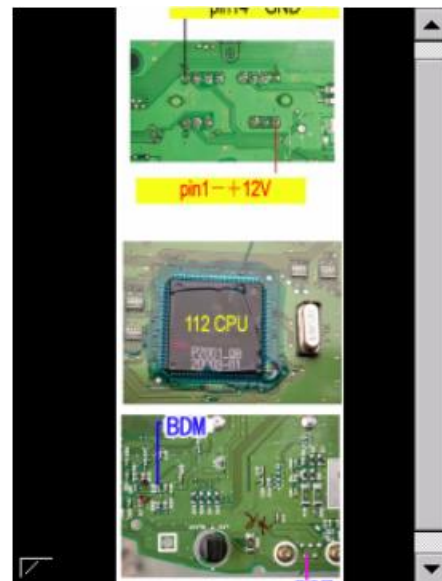


Figure 7

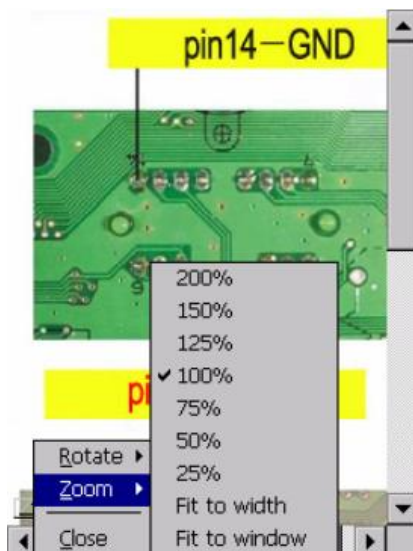


Figure 8

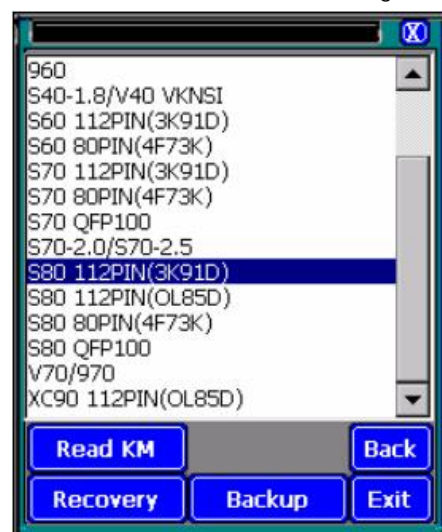


Figure 9



Figure 10

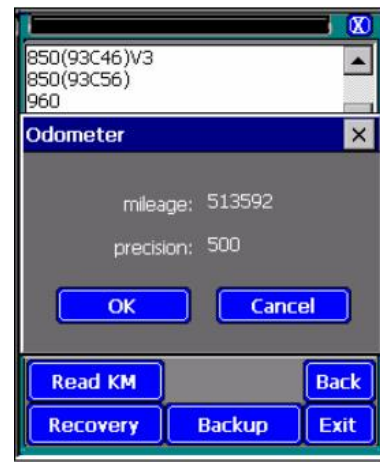


Figure 11



Figure 12



Figure 13

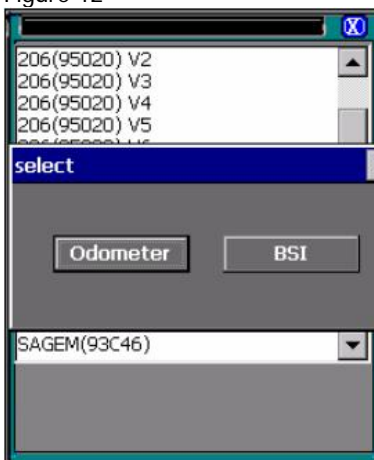


Figure 14

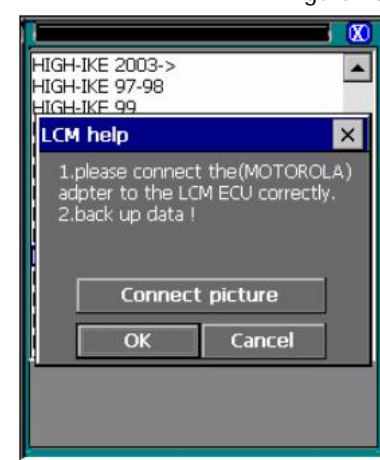


Figure 15



Figure 16

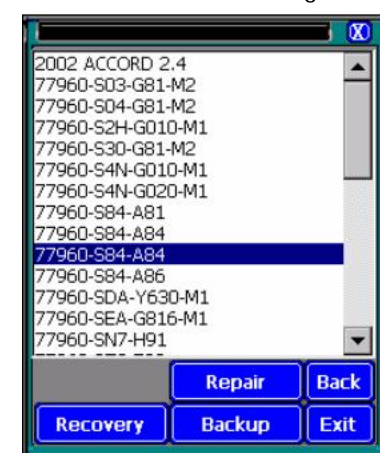


Figure 17

AIRBAG RESET

Click the 'AIRBAG' button on the main window, you will see the airbag reset window, select make and model, then repair (Figure 17). In OBD operation you can do crash data clear and data mistake repair. See Figure 18



Figure 18



Figure 19

IMMO CODE READER

Click the 'IMMO' button on the main window, you will see the immo code reading window, select make and model, then read immo code. See Figure 19.

Notes

Some IMMO code can be read by odometer adjustment OBD operations. See Figure 19.

Some IMMO can not be read, what you can only do is to disable the immo function by writing eeprom of engine ECU. See Figure 20.



Figure 20



Figure 21

RADIO CODE READER

Click the 'RADIO' button on the main window, you can see the airbag reset window, select make and model, then read radio code. See Figure 21

PROGRAMMER

The programmer function of Dataspecialist is powerful, you can use it to do what you want. Click the 'PROG.' button on the main window, you will enter the programmer window. Establish a new file or open an old file, select chip device, then you can fulfill all the operations of 'edit', 'erase', 'read', 'write', 'copy', and 'save', etc. See Figure 22 and Figure 23.



Figure 22

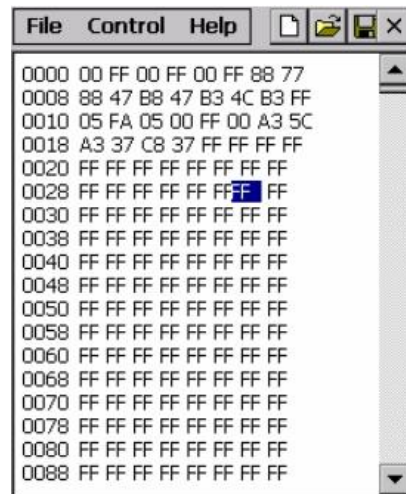


Figure 23

Supported devices and vehicles

PROGRAMMER

Eeprom-Adapter is used to program the follow chips:

SPI: X25043, X25045, 25C010, 25C020, 25C040, 25C080, 25C160, 25C320, 25c640, 25C128, 25c256, 3132, 68343, ST14771, ST95010, ST95020, ST95040, ST95080, ST95160, ST95320, ST95640, X5043, X5045 and M35080 (including erase).

I2C: 24C01, 24C01A, 24C02, 24C04, 24C08, 24C16, 24C17, 24C32, 24C64, 24C128, 24C256, 85C72, 85C82, 85C92, BAW574252 etc.

MICROWIRE: 93C06, 93C14, 93C46, 93C56, 93C57, 93C66, 93C76, 93C86, 93S46, 93S56, 93S57, 93S66, 93LC46, 93LC56, 93LC57, 93LC66, 93LC86, DY6N, LC46, L56R, S130, S220, etc.

OTHERS: PDH001, TC97101, TC89101, TC89102, TC89112, B59, D6253, D6254, S-24H30, S-24H45, S-24S30, S-2445, 16911G, 59C11, etc.

FLASH Adapter: support programming of 27 series EPROM and 28 , 29 series FLASH memories
27C010 , 24C256 , 27C512. 28F010 , 28F020. 29F010 , 29F020 , 29F040

NDM457-Adapter support the following chips: NDM457C, 51006A etc.

Motorola-Adapter is used to program Motorola MCUs (without security), chips supported:

1).HC05 series :
MC68HC05B16,
MC68HC05B32,
MC68HC05B6,
MC68HC05B8,
MC68HC05BE6,
MC68HC05H12,
MC68HC05L28,
MC68HC05P3,
MC68HC05X16,
MC68HC05X32,
MC68HC705B16,
MC68HC705B32,
MC68HC705E6, etc.

2).HC08 series :
MC68HC08AZ32,
MC68HC08AZ60,
MC68HC08AS32,
MC68HC08AS60,
MC68HC08AB32,
MC68HC08AS20, etc.

3).HC11 series :
MC68HC11A8,
MC68HC11E20,
MC68HC11E9,
MC68HC11EA9,

MC68HC11F1,
MC68HC11K1,
MC68HC11K4,
MC68HC11KS2,
MC68HC11KS8,
MC68HC11KA4,
MC68HC11KG4,
MC68HC11L6,
MC68HC11P2,
MC68HC11PA8,
MC68HC11PH8, etc.

4).HC12 series :
MC68HC912B32,
MC68HC912BE32,
MC68HC912BD32,
MC68HC912D60,
MC68HC912D60A,
MC68HC912DG128,
MC68HC912DG128A,
MC68HC912DT128A,
MC68HC912DT128A,
MC9S12A64,
MC9S12D64,
MC9S12DG128,
MC9S12DG256,
MC9S12DP128,
MC9S12DP256,

MC9S12DT128,
MC9S12H128,
MC9S12H256 (including all flash)
etc.

NEC-Adapter is used to program
uPD78K0 series MCUs, chips
supported:
uPD780973,
uPD780974,
uPD780949,
uPD78F0974,
uPD78F0949,
uPD78F0826,
uPD78F0828,
uPD78F0828A M1 etc.

TMS-Adapter is used to program
TMS370 series MCUs, chips
supported:
TMS370C758A,
TMS370C742A,
TMS370C702,
TMS370C058A,
TMS370C042A,
TMS370C002A,
TMS370C756A,
TMS370C056A etc.

HC08-Adapter is used to program Motorola HC08 series MCUs (with security passed).

HC12-Adapter is used to program HC9(S) 12 series MCUs (with security passed)

VEHICLE LIST OF IMMO READER

Manufacture	Model	Version	Method	Adapter	
Alfa	156 1.9 JTD E3 105 CV2		Eeprom	Eeprom adapter	
	156.24 JTD E3		Eeprom	Eeprom adapter	
AUDI	A3 1800 TURBO		Eeprom	Eeprom adapter	
	A4 1800 TURBO		Eeprom	Eeprom adapter	
	A4 JEAGER RV2000		Soldering contacts	Motorola adapter	
	A4 MOTOMETER/JEAGER		Soldering contacts	Motorola adapter	
	A4 NSI RV1999		Eeprom	Eeprom adapter	
	A4 VDO RV2000		Eeprom	Eeprom adapter	
	A6 1.8 TURBO		Eeprom	Eeprom adapter	
	A6 VDO RV1997		Eeprom	Eeprom adapter	
	BMW	318 TDS		Eeprom	Eeprom adapter
		325 TDS		Eeprom	Eeprom adapter
525 TDS			Eeprom	Eeprom adapter	
725 TDS			Eeprom	Eeprom adapter	
HONDA	CIVIC		Eeprom	Eeprom adapter	
VW	BETA4		Soldering contacts	Motorola adapter	
	BORA		Eeprom	Eeprom adapter	
	C4-A6		Eeprom	Eeprom adapter	
	PASSAT B4		Eeprom	Eeprom adapter	
	POLO		Eeprom	Eeprom adapter	
	GOLF 1.9 TDI 110 CV		Eeprom	Eeprom adapter	
	GOLF4 MOTOMETER RV2001		Eeprom	Eeprom adapter	
	GOLF4 MOTOMETER RV97		Eeprom	Eeprom adapter	
	GOLF4 MOTOMETER RV99		Eeprom	Eeprom adapter	
	GOLF 4 VDO RV2000		Eeprom	Eeprom adapter	
	PASSAT B5 VDO RV98		Eeprom	Eeprom adapter	
	PASSAT B5 VDO RV99		Eeprom	Eeprom adapter	
	T4 2.5 TDI IMMMOBOX RV2003		Eeprom	Eeprom adapter	
	VW		Eeprom	TMS adapter	
	PASSAT	B5	Eeprom	Eeprom adapter	
	PASSAT	B5-1.8T	Eeprom	Eeprom adapter	
	PASSAT	B5-2.8	Eeprom	Eeprom adapter	
	FIAT	BRAVA	1.4	Eeprom	Eeprom adapter
		BRAVA	1.6	Eeprom	Eeprom adapter
BRAVO 1400IE			Eeprom	Eeprom adapter	
BRAVO 1600 1AF 1G			FLASH	Flash adapter	
BRAVO 2000HGT			Eeprom	Eeprom adapter	
BRAVO 49F			Eeprom	Eeprom adapter	
COUPE HITACHI			FLASH	Flash adapter	
HITACHI			Eeprom	Eeprom adapter	
JTD E2			Eeprom	Eeprom adapter	

	PUNTO GT 27C256		FLASH	Flash adapter
	PUNTO GT 87C257		FLASH	Flash adapter
LANCIA	K 2000		FLASH	Flash adapter
	Y 1.4		Eeprom	Eeprom adapter
SUZUKI	SUZUKI		Eeprom	TMS adapter
ROVER	214		Eeprom	Eeprom adapter
NISSAN	PRIMERA		Eeprom	TMS adapter
OPEL	TIGRA		Soldering contacts	Motorola adapter
	OPEL		Eeprom	TMS adapter
SKODA	FABIA 1.4 MPI SIMONS ECU		Eeprom	Eeprom adapter
	FALICIA		Soldering contacts	Motorola adapter
	OCTAVIA VOD RV	1997	Eeprom	Eeprom adapter
	OCTAVIA VOD RV	2002	Eeprom	Eeprom adapter
	VW GROUP TDI EDC 15XX ECU		Eeprom	Eeprom adapter
CITROEN	SAXO 1000		Eeprom	Eeprom adapter

VEHICLE LIST OF ODOMETER PROG.

Manufacture	Model	Version	Method	Adapter
ALFA	147	2002	Eeprom	Eeprom adapter
	166	2002	Eeprom	Eeprom adapter
AUDI	A2	before 2001	Eeprom	Eeprom adapter
	A2	since 2001	Eeprom	Eeprom adapter
	A3	VDO (before July 2001)	Eeprom	Eeprom adapter
	A3	VDO (since July 2001)	Eeprom	Eeprom adapter
	A3	VDO (before Sep.1999)	Eeprom	Eeprom adapter
	A4	UKNSI 21c	Eeprom	Eeprom adapter
	A4	UKNSI	Eeprom	Eeprom adapter
	A4	VDO 97-99	Eeprom	Eeprom adapter
	A4	VDO before Oct. 97	Eeprom	Eeprom adapter
	A4	VDO (MFA) before Oct. 97	Eeprom	Eeprom adapter
	A4	VDO 99-00	Eeprom	Eeprom adapter
	BOSCH	before Sep.2001	Eeprom	Eeprom adapter
	A4	MAGNETI MARELLI	Diagnosis-plug	VW-OBD cable
	A6	UKNSI	Eeprom	Eeprom adapter
	A6	VDO 99-03	Eeprom	Eeprom adapter
	A6	VDO before Sep. 99	Eeprom	Eeprom adapter
	A6	VDO since Sep. 99	Eeprom	Eeprom adapter
	A6	MAGNETI MARELLI	Diagnosis-plug	VW-OBD cable
	A6	VDO	Eeprom	Eeprom adapter
	A8	2004	Eeprom	Eeprom adapter
	A8	Oct..96-Feb.99	Eeprom	Eeprom adapter
	A8	before Oct.96	Eeprom	Eeprom adapter
	A8	Feb.99	Eeprom	Eeprom adapter
	TT	880	Soldering contacts	Motorola adapter
BMW	3 Series	2001-2003	Soldering contacts	Eeprom adapter
	3 Series	2003-2004	Soldering contacts	Eeprom adapter
	3 Series	E36-SW22	Eeprom	Eeprom adapter
	3 Series	E46	Eeprom	Eeprom adapter
	3 Series	SW23	Soldering contacts	Eeprom adapter
	5/7 Series /X5	Before 96 E32/E43 blue	Soldering contacts	Eeprom adapter
	5/7 Series /X5	Before 96 E32/E43 brown	Soldering contacts	Eeprom adapter
	5/7 Series /X5	Before 96 E34	Eeprom	Eeprom adapter
	Z3/COMPACT		Soldering contacts	Eeprom adapter
	Z4/Z8		Soldering contacts	Eeprom adapter
	5 Series	E60	Soldering contacts	Eeprom adapter
	6 Series	E63/E64	Soldering contacts	Eeprom adapter
	7 Series	E65/E66	Soldering contacts	Eeprom adapter
	High+IKE	SW05/07	Soldering contacts	Eeprom adapter
	High+IKE	SW11	Eeprom	Eeprom adapter
	High+IKE	SW12	Soldering contacts	Eeprom adapter
	High+IKE	SW13	Soldering contacts	Eeprom adapter
	High+IKE	SW14	Soldering contacts	Eeprom adapter
	High+IKE	SW15	Eeprom	Eeprom adapter
	High-IKE	2001-2002	Soldering contacts	Eeprom adapter
	High-IKE	Since 2003	Soldering contacts	Eeprom adapter
	High-IKE	97-98	Soldering contacts	Eeprom adapter
	High-IKE	99	Soldering contacts	Eeprom adapter
	High-IKE	SW13/17	Soldering contacts	Eeprom adapter
	High-IKE	SW16	Soldering contacts	Eeprom adapter
	LCM	E38/E39/E53	diagnosis-plug	BMW-OBD cable
	LCM	E46	diagnosis-plug	BMW-OBD cable

	CAS	E65	diagnosis-plug	BMW-OBd cable
	LOW	Since 2003	Soldering contacts	Eeprom adapter
	LOW	2001-2002	Soldering contacts	Eeprom adapter
	LOW SW11		Eeprom	Eeprom adapter
	LOW SW12		Soldering contacts	Eeprom adapter
	LOW SW15		Eeprom	Eeprom adapter
	LOW SW16		Soldering contacts	Eeprom adapter
	LOW SW9+10		Soldering contacts	Eeprom adapter
PROTON	WAJA		Eeprom	Eeprom adapter
PORSCHE	928		Eeprom	Eeprom adapter
	996	Boxter	Eeprom	Eeprom adapter
	996	Turbo	Eeprom	Eeprom adapter
	CAYENNE		Eeprom	Eeprom adapter
BENZ	CLK		Eeprom	Eeprom adapter
	C class	After2000 W203	Eeprom	Eeprom adapter
	C class EWS	W203 before July 2001	Soldering contacts	HC08 adapter
	C class EWS	W203 2001.8-2002.7	Soldering contacts	HC08 adapter
	C class EWS	W203 2002-2004	Soldering contacts	HC08 adapter
	C class	W202(C56) Before 2000	Eeprom	Eeprom adapter
	C class	W202(C66) Before 2000	Eeprom	Eeprom adapter
	C class	W202(C86) Before 2000	Eeprom	Eeprom adapter
	E class	W211 since 2002	Eeprom	Eeprom adapter
	E class	W210(C56) before 2002	Eeprom	Eeprom adapter
	E class	W210(C66) before 2002	Eeprom	Eeprom adapter
	E class	W210(C86) before 2002	Eeprom	Eeprom adapter
	G class		Eeprom	Eeprom adapter
	ML class		Eeprom	Eeprom adapter
	R171 SLK		Eeprom	Eeprom adapter
	SLK/CLK		Eeprom	Eeprom adapter
	SLR 230		Eeprom	Eeprom adapter
	SLR 230 EWS	2001-2002.7	Soldering contacts	HC08 adapter
	SLR 230 EWS	Before July 2001	Soldering contacts	HC08 adapter
	SLR 230 EWS	2002-2004	Soldering contacts	HC08 adapter
	SPRINTER	24c02	Eeprom	Eeprom adapter
	S class	W220 after 2000	Eeprom	Eeprom adapter
	W220 EWS	Before July 2001	Soldering contacts	HC08 adapter
	W220 EWS	2001.8-2002.7	Soldering contacts	HC08 adapter
	W220 EWS	2002-2004	Soldering contacts	HC08 adapter
	S class	W140/w220 (24c04) before 2000	Eeprom	Eeprom adapter
	S class	W140/w220 (93c56) before 2000	Eeprom	Eeprom adapter
	S class	W140/w220 (93c66) before 2000	Eeprom	Eeprom adapter
	S class	W140/w220 (B58) before 2000	Eeprom	Eeprom adapter
	W209 (CLK)		Eeprom	Eeprom adapter
	V class		Soldering contacts	HC08 adapter
HONDA	ACCORD	2.3	Eeprom	Eeprom adapter
	ACCORD		Eeprom	Eeprom adapter
	ACCORD	2.0/2.4	Soldering contacts	Eeprom adapter
	STREAM		Eeprom	Eeprom adapter

	FIT	93c66	Eeprom	Eeprom adapter
	FIT	L56R	Eeprom	Eeprom adapter
	LEGEND		Eeprom	Eeprom adapter
	ODYSSBY	93c46	Eeprom	Eeprom adapter
	ODYSSBY	L56R	Eeprom	Eeprom adapter
	CITY		Eeprom	Eeprom adapter
	SHUTTLE		Eeprom	Eeprom adapter
	S2000		Eeprom	Eeprom adapter
	JAZZ		Eeprom	Eeprom adapter
	CRV	2005 (93c66)	Eeprom	Eeprom adapter
	CRV	L56R	Eeprom	Eeprom adapter
	CIVIC		Soldering contacts	NEC adapter
	CIVIC		Eeprom	Eeprom adapter
	VFR800		Eeprom	Eeprom adapter
PEUGEUT	206		Eeprom	Eeprom adapter
	206	BSI	Eeprom	Eeprom adapter
	306		Eeprom	Eeprom adapter
	SAGEM		Eeprom	Eeprom adapter
	607		Eeprom	Eeprom adapter
	406	New VDO	Eeprom	Eeprom adapter
	406	VDO	Eeprom	Eeprom adapter
	307		Soldering contacts	NEC adapter
	307 BSI	FNC9651196880 OR J03	Eeprom	Eeprom adapter
	307 BSI	J02FNC9651196780 A	Eeprom	Eeprom adapter
	307 BSI	J02FNC9651196780 OR	Eeprom	Eeprom adapter
	307 BSI		Soldering contacts	Motorola adapter
VW	Bettle	V1-3		Contact us
	Bettle	V4		Contact us
	BORA		Eeprom	Eeprom adapter
	CORDOBA		Eeprom	Eeprom adapter
	GOL	93C46	Eeprom	Eeprom adapter
	GOL	93C66	Eeprom	Eeprom adapter
	GOLF	VDO	Eeprom	Eeprom adapter
	GOLF 3	MM	Eeprom	Eeprom adapter
	GOLF4	24C08	Eeprom	Eeprom adapter
	GOLF4	24C02	Eeprom	Eeprom adapter
	GOLF4	VDO	Eeprom	Eeprom adapter
	GOLF4	BLUE	Eeprom	Eeprom adapter
	GOLF4	GREEN	Eeprom	Eeprom adapter
	IBIZA		Eeprom	Eeprom adapter
	JETTA		Eeprom	Eeprom adapter
	LEON		Eeprom	Eeprom adapter
	LUPO	24C02	Eeprom	Eeprom adapter
	LUPO	24C04	Eeprom	Eeprom adapter
	PASSAT B3	93C46	Eeprom	Eeprom adapter
	PASSAT B3	93C56	Eeprom	Eeprom adapter
	PASSAT B4		Eeprom	Eeprom adapter
	PASSAT B5	C66	Eeprom	Eeprom adapter
	PASSAT B5	C86	Eeprom /diagnosis-plug	Eeprom adapter/Diagnostic-cable
	PASSAT B5		Soldering contacts	Motorola adapter
	PASSAT B6		Eeprom	Eeprom adapter
	POLO		Eeprom	Eeprom adapter
	POLO	VDO	Eeprom	Eeprom adapter
	POLO	TRW(24C08)	Eeprom	Eeprom adapter
	POLO	TRW(24C04)	Eeprom	Eeprom adapter
	VENTO		Eeprom	Eeprom adapter

	SHARAN		Eeprom	Eeprom adapter
	T4	93C56	Eeprom	Eeprom adapter
	T4	93C66	Eeprom	Eeprom adapter
	T4	93C86	Eeprom	Eeprom adapter
	TOLEDO		Eeprom	Eeprom adapter
	TOUAREG		Eeprom	Eeprom adapter
	PHAETON		Eeprom	Eeprom adapter
FERRARI	MODENA	360	Eeprom	Eeprom adapter
	550M		Eeprom	Eeprom adapter
	575M		Eeprom	Eeprom adapter
FIAT	TIPO	BORG(93C06)	Eeprom	Eeprom adapter
	TIPO	BORG(93C46)	Eeprom	Eeprom adapter
	TIPO	VEGLIA	Eeprom	Eeprom adapter
	VEGLIA		Eeprom	Eeprom adapter
	BRAVA		Eeprom	Eeprom adapter
	BRAVO		Eeprom	Eeprom adapter
	BRAVO	NS	Eeprom	Eeprom adapter
	DAILY	VDO	Eeprom	Eeprom adapter
	MAREA		Eeprom	Eeprom adapter
	UKNSI		Eeprom	Eeprom adapter
	MULTIPLA #1		Eeprom	Eeprom adapter
	MULTIPLA #2		Eeprom	Eeprom adapter
	PALIO		Eeprom	Eeprom adapter
TOYOTA	ARISTO		Eeprom	Eeprom adapter
	ASTIME		Eeprom	Eeprom adapter
	AVENSIS	93C46	Eeprom	Eeprom adapter
	AVENSIS	93C56	Eeprom	Eeprom adapter
	AVALON		Eeprom	Eeprom adapter
	CAMRY	93C46	Eeprom	Eeprom adapter
	CAMRY	93C56	Eeprom	Eeprom adapter
	CELLICA		Eeprom	Eeprom adapter
	CELSIOR	3.0	Eeprom	Eeprom adapter
	COROLLA		Eeprom	Eeprom adapter
	COROLLA	old	Eeprom	Eeprom adapter
	COROLLA	2004	Eeprom	Eeprom adapter
	CROWN		Eeprom	Eeprom adapter
	YARIS		Eeprom	Eeprom adapter
	YARIS	TSPORT	Eeprom	Eeprom adapter
	PRADO	93C46	Eeprom	Eeprom adapter
	PRADO	2700 (93C56)	Eeprom	Eeprom adapter
	PRADO	2700 (93C66)	Eeprom	Eeprom adapter
	PRADO	3400 (93C56)	Eeprom	Eeprom adapter
	PRADO	3400 (93C66)	Eeprom	Eeprom adapter
	PRADO	3400 (S220)	Eeprom	Eeprom adapter
	PRADO	4500 (S220)	Eeprom	Eeprom adapter
	PRADO	4700 (93C46)	Eeprom	Eeprom adapter
	PRADO	4700 (93C56)	Eeprom	Eeprom adapter
	PRADO	4700 (93C66)	Eeprom	Eeprom adapter
	PRADO	4700 (S220)	Eeprom	Eeprom adapter
	MR2		Eeprom	Eeprom adapter
	PICNIC		Eeprom	Eeprom adapter
	PREMIO		Eeprom	Eeprom adapter
	RAV4		Eeprom	Eeprom adapter
	HIACE		Eeprom	Eeprom adapter
	PREVIA		Eeprom	Eeprom adapter
	ECHO		Eeprom	Eeprom adapter
	EIPSUN		Eeprom	Eeprom adapter
	TERIOS		Eeprom	Eeprom adapter

	IPSUM		Eeprom	Eeprom adapter
FORD	Galaxy		Soldering contacts	Motorola adapter
	ESCORT		Soldering contacts	Motorola adapter
	FIESTA		Eeprom	Eeprom adapter
	FIESTA	2002	Eeprom	Eeprom adapter
	TRANSIT		Eeprom	Eeprom adapter
	TRANSIT	TVI	Eeprom	Eeprom adapter
	FOCUS	V3		CONTACT US
	FOCUS		Soldering contacts	Motorola adapter
	FOCUS		Eeprom	Eeprom adapter
	FOCUS	2003	Eeprom	Eeprom adapter
	FUSION		Eeprom	Eeprom adapter
	EXPEDITION		Soldering contacts	Motorola adapter
	FIESTA		Eeprom	Eeprom adapter
	FIESTA	2003		CONTACT US
	MAVERICK/ESCAPE		Soldering contacts	Motorola adapter
	PUMA		Soldering contacts	Motorola adapter
	WINDSTAR			CONTACT US
	WINDSTAR	2005		CONTACT US
	SCORPIO		Soldering contacts	Motorola adapter
	ECONILINE			CONTACT US
VOLVO	850		Eeprom	Eeprom adapter
	960		Eeprom	Eeprom adapter
	S40-1.8/V40	UKNSI	Eeprom	Eeprom adapter
	V70/970		Eeprom	Eeprom adapter
	S70-2.0/S70-2.5		Eeprom	Eeprom adapter
	S60	112PIN	Soldering contacts	Motorola adapter
	S60	80PIN	Soldering contacts	Motorola adapter
	S70	112PIN	Soldering contacts	Motorola adapter
	S70	100PIN	Soldering contacts	Motorola adapter
	S70	80PIN	Soldering contacts	Motorola adapter
	S80	80PIN	Soldering contacts	Motorola adapter
	S80	100PIN	Soldering contacts	Motorola adapter
	S80	112PIN	Soldering contacts	Motorola adapter
	XC90	112PIN	Soldering contacts	Motorola adapter
SUBARU	FORETAR		Eeprom	Eeprom adapter
	IMPREZA		Eeprom	Eeprom adapter
	LEGACY		Eeprom	Eeprom adapter
JAGUAR	S TYPE		Soldering contacts	Motorola adapter
	XJ/XK8		Soldering contacts	Motorola adapter
CHRYSLER	CHEROKEE	98	Eeprom	Eeprom adapter
	GRAND CHEROKEE	2002	Soldering contacts	Motorola adapter
	DODGE			CONTACT US
	PT CRUISER	2002		CONTACT US
	PT CRUISER			CONTACT US
	VOYAGER			CONTACT US
	VOYAGER	2003		CONTACT US
RENAULT	LAGUNA		Eeprom	Eeprom adapter
	LANCIA		Eeprom	TMS adapter
	LANUNA		Soldering contacts /Diagnosis-plug	Soldering contacts / Diagnostic-cable
	SAFRAME		Eeprom	Eeprom adapter
	MEGANE		Soldering contacts	NEC adapter
	MEGANE		Eeprom	Eeprom adapter
	RENAULT		Eeprom	TMS adapter
	KANGOO		Eeprom	Eeprom adapter
	KANGOO	6700 2000	Soldering contacts /Diagnosis-plug	Motorola adapter / Diagnostic-cable

	SCENIC		Soldering contacts /Diagnosis-plug	Soldering contacts / Diagnostic-cable
	SCENIC		Soldering contacts	NEC adapter
	CLIO		Soldering contacts	NEC adapter
LINCOLN	TOWNCAR	93-94	Eeprom	Eeprom adapter
	TOWNCAR	95-97	Eeprom	Eeprom adapter
	TOWNCAR	99	Soldering contacts	Motorola adapter
	TOWNCAR	2000	Soldering contacts	Motorola adapter
	MAVIGATOR		Soldering contacts	Motorola adapter
	EUROPE		Soldering contacts	Motorola adapter
LEXUS	IS200/300		Eeprom	Eeprom adapter
	LX470	93c46	Eeprom	Eeprom adapter
	LX470	93c66	Eeprom	Eeprom adapter
	ES300		Eeprom	Eeprom adapter
	LS400	97101	Eeprom	Eeprom adapter
	IS400	93c46	Eeprom	Eeprom adapter
	LS430		Eeprom	Eeprom adapter
	GS300		Eeprom	Eeprom adapter
SUZUKI	HAYABUSA		Eeprom	Eeprom adapter
	IGNIS		Eeprom	Eeprom adapter
	JIMMEY		Eeprom	Eeprom adapter
	LIANA		Eeprom	Eeprom adapter
	VITARA		Eeprom	Eeprom adapter
ROVER	25/45		Eeprom	Eeprom adapter
	Defender		Eeprom	Eeprom adapter
	Free Lander	UKNSI	Eeprom	Eeprom adapter
	Free Lander	VDO	Eeprom	Eeprom adapter
MAZDA	323	95040	Eeprom	Eeprom adapter
	323	93c46	Eeprom	Eeprom adapter
	323	93c56	Eeprom	Eeprom adapter
	626	93c46	Eeprom	Eeprom adapter
	626	93c56	Eeprom	Eeprom adapter
	C3		Eeprom	Eeprom adapter
	M6		Eeprom	Eeprom adapter
	MAX		Eeprom	Eeprom adapter
	YNS		Eeprom	Eeprom adapter
	XEDOS		Eeprom	Eeprom adapter
	FAMILIA		Eeprom	Eeprom adapter
	FAMILIA	2004	Eeprom	Eeprom adapter
	PREMACY		Eeprom	Eeprom adapter
NISSAN	BLUEBIRD		Eeprom	Eeprom adapter
	CEFIRO	A32	Eeprom	Eeprom adapter
	CEFIRO	A33	Eeprom	Eeprom adapter
	INFINITY		Eeprom	Eeprom adapter
	SUNNY		Eeprom	Eeprom adapter
	SUV	4500	Eeprom	Eeprom adapter
	SUV	4800	Eeprom	Eeprom adapter
	PICKUP	93c46	Eeprom	Eeprom adapter
	PICKUP	93c56	Eeprom	Eeprom adapter
	XTRAIL		Eeprom	Eeprom adapter
	ALMERA	93C46	Eeprom	Eeprom adapter
	ALMERA	93C56	Eeprom	Eeprom adapter
	ALMERA	93C66	Eeprom	Eeprom adapter
	MAXIMA	93C46	Eeprom	Eeprom adapter
	MAXIMA	93C56	Eeprom	Eeprom adapter
	MAXIMA	93C66	Eeprom	Eeprom adapter
	MICRA	93C46 After 2003	Eeprom	Eeprom adapter
	MICRA	93C46 before 2003	Eeprom	Eeprom adapter

	MICRA	93C66	Eeprom	Eeprom adapter
	PATROL	93c66	Eeprom	Eeprom adapter
	PATROL	93c56	Eeprom	Eeprom adapter
	PATHFINDER	93c46	Eeprom	Eeprom adapter
	PATHFINDER	93c56	Eeprom	Eeprom adapter
	NAVARO		Eeprom	Eeprom adapter
	SKYLINE	93c66	Eeprom	Eeprom adapter
	SKYLINE	93c56	Eeprom	Eeprom adapter
	PRIMERA	93c46	Eeprom	Eeprom adapter
	PRIMERA	93c56	Eeprom	Eeprom adapter
	PRIMERA	93c66	Eeprom	Eeprom adapter
	TINO		Eeprom	Eeprom adapter
	TEANA		Eeprom	Eeprom adapter
	TEMPRA		Eeprom	Eeprom adapter
	URVAN		Eeprom	Eeprom adapter
OPEL	VECTRA	VDO(93C46)	Eeprom	Eeprom adapter
	VECTRA	VDO(93C66)	Eeprom	Eeprom adapter
	VECTRA		Eeprom	Eeprom adapter
	ASTRA	VDO	Eeprom	Eeprom adapter
	ASTRA	TRW	Eeprom	Eeprom adapter
	ASTRA	93C56	Eeprom	Eeprom adapter
	ASTRA	93C66	Eeprom	Eeprom adapter
	SENATOR		Eeprom	Eeprom adapter
	OMEGA		Eeprom	Eeprom adapter
	ZAFIRA	VDO	Eeprom	Eeprom adapter
	FRONTERA	VDO	Eeprom	Eeprom adapter
	CORAS		Soldering contacts	NEC adapter
	AGILA		Soldering contacts	NEC adapter
KIA	EQUUS		Eeprom	Eeprom adapter
	CARNIVAL II		Eeprom	Eeprom adapter
	SANTA	FE	Eeprom	Eeprom adapter
	SORENTO		Eeprom	Eeprom adapter
	CARNIVAL		Eeprom	Eeprom adapter
	KIA		Soldering contacts	NEC adapter
MITSUBISHI	LANCE	S130	Eeprom	Eeprom adapter
	LANCE	93C46	Eeprom	Eeprom adapter
	LANCE	93C56	Eeprom	Eeprom adapter
	OUTLANDER		Eeprom	Eeprom adapter
	PAJERO	3.0	Eeprom	Eeprom adapter
	PAJERO		Eeprom	Eeprom adapter
	PAJERO	IO	Eeprom	Eeprom adapter
	PININ		Eeprom	Eeprom adapter
	SHOGUN		Eeprom	Eeprom adapter
	SPACEGEAR		Eeprom	Eeprom adapter
	SPACE MPV		Eeprom	Eeprom adapter
	SPACE STAR		Eeprom	Eeprom adapter
	SPACEWAGON		Eeprom	Eeprom adapter
	USA SUV		Eeprom	Eeprom adapter
	CHARISMA		Eeprom	Eeprom adapter
	GOLT	93C46	Eeprom	Eeprom adapter
	GOLT	93C56	Eeprom	Eeprom adapter
	EVO		Eeprom	Eeprom adapter
	MILVEC		Eeprom	Eeprom adapter
	AISTSEK		Eeprom	Eeprom adapter
	CARISMA		Eeprom	Eeprom adapter
	CARISMA	UK	Eeprom	Eeprom adapter
	DION		Eeprom	Eeprom adapter
	GALANT		Eeprom	Eeprom adapter

SAAB	95		Eeprom	Eeprom adapter
	93-2000		Eeprom	Eeprom adapter
	95-2000		Eeprom	Eeprom adapter
SKODA	OCTAVIA	93C66	Eeprom	Eeprom adapter
	OCTAVIA	93C86	Eeprom	Eeprom adapter
GM	BUICK	68343	Eeprom programming	Eeprom adapter
	BUICK	ST14771	Eeprom programming	Eeprom adapter
	SAIL		Eeprom	Eeprom adapter
	HUMMER H2		Eeprom	Eeprom adapter
	BLAZER		Soldering contacts	NEC adapter
	DEVILLE		Eeprom	Eeprom adapter
	MALIBU		Soldering contacts	NEC adapter
WIESMANN	ROADSTER		Eeprom	Eeprom adapter
ISUZU	TROOPER		Eeprom	Eeprom adapter
HYUNDAI	ACCENT		Eeprom	Eeprom adapter
	COUPE		Eeprom	Eeprom adapter
	ELEA		Eeprom	Eeprom adapter
	GETZ		Eeprom	Eeprom adapter
	MATRIX		Eeprom	Eeprom adapter
	STANTA	FE	Eeprom	Eeprom adapter
	SANTE		Eeprom	Eeprom adapter
	SONATA		Eeprom	Eeprom adapter
	XG30		Eeprom	Eeprom adapter
	XG		Eeprom	Eeprom adapter
	TUCSON		Eeprom	Eeprom adapter
	ELANTRA		Soldering contacts	NEC adapter
	SONATA		Soldering contacts	NEC adapter
	TERRCAN		Soldering contacts	NEC adapter
CITROEN	C5			Contact us
	C5	BSI		Contact us
	XANTIA		Eeprom	Eeprom adapter
	PICASSO	2003	Eeprom	Eeprom adapter
	XSARA	2000	Soldering contact	NEC adapter
	XSARA	2002	Eeprom	Eeprom adapter
	XSARA		Eeprom	Eeprom adapter

VEHICLE LIST OF AIRBAG CRASH ERASER

Manufacture	Model	Version	Method	Adapter	
ALFA	46842421		Eeprom	Eeprom adapter	
	60625180		Soldering contacts	Motorola adapter	
	60631206		Soldering contacts	Motorola adapter	
	60655033		Soldering contacts	Motorola adapter	
	60663040		Soldering contacts	Motorola adapter	
	60665492		Soldering contacts	Motorola adapter	
	BOZUK 60656767		Soldering contacts	Motorola adapter	
	BOZUK 60675880		Soldering contacts	Motorola adapter	
AUDI	4B0 959 655G		Diagnosis-plug	VW-OBD cable	
	4B0 959 655J		Diagnosis-plug	VW-OBD cable	
	4B0 959 655Q		Diagnosis-plug	VW-OBD cable	
	4B0 959 655R		Diagnosis-plug	VW-OBD cable	
	4B0 959 655C		Diagnosis-plug	VW-OBD cable	
	8A0 959 655C		Diagnosis-plug	VW-OBD cable	
	8D0 959 655C				
	8D0 959 655L		Diagnosis-plug	VW-OBD cable	
	8L0 959 655G				
	8L0 959 655J				
BMW	6577-8372521 MRSZ2		Eeprom	Eeprom adapter	
	65776933238		Soldering contacts	Motorola adapter	
	65778367035		Soldering contacts	Motorola adapter	
	65778367035-2		Soldering contacts	Motorola adapter	
	E34		Soldering contacts	Motorola adapter	
	E46-G2T0J21B197		Soldering contacts	Motorola adapter	
	657776900727		Soldering contacts	Motorola adapter	
	65776905491		Soldering contacts	Motorola adapter	
	65776905491-4		Soldering contacts	Motorola adapter	
	65776905491-6		Soldering contacts	Motorola adapter	
	65778372521		Soldering contacts	Motorola adapter	
	65778374798		Soldering contacts	Motorola adapter	
	65778374799		Soldering contacts	Motorola adapter	
	PROTON	PW538965		Soldering contacts	Motorola adapter
	BENZ	S600		Soldering contacts	Motorola adapter
HONDA	ACCORD	2.4 (2002)	Eeprom	Eeprom adapter	
	ACCORD	2.2	Eeprom	Eeprom adapter	
	ACCORD	2.3 S84-A86	Eeprom	Eeprom adapter	
	LEGEND	77960-SXO-A84	Eeprom	Eeprom adapter	
	CRV		Eeprom	Eeprom adapter	
		77960-S03-G81-M2		Eeprom	Eeprom adapter
	77960-S04-G81-M2		Eeprom	Eeprom adapter	

	77960-S2H-G010-M1		Eeprom	Eeprom adapter
	77960-S30-G81-M2		Eeprom	Eeprom adapter
	77960-S4N-G010-M1		Eeprom	Eeprom adapter
	77960-S4N-G020-M1		Eeprom	Eeprom adapter
	77960-S84-A81		Eeprom	Eeprom adapter
	77960-S84-A84		Eeprom	Eeprom adapter
	77960-S84-A86		Eeprom	Eeprom adapter
	77960-SDA-Y630-M1		Eeprom	Eeprom adapter
	77960-SN7-H91		Soldering contacts	Motorola adapter
	77960-ST3-E83		Soldering contacts	Motorola adapter
	77960-SX0-G81-M2		Eeprom	Eeprom adapter
	77960-SZ3-G810-M1		Eeprom	Eeprom adapter
	89170-42090		Eeprom	Eeprom adapter
	77960-S3N-N93		Eeprom	Eeprom adapter
	77960-SV4-A95		Eeprom	Eeprom adapter
	S3N-N93		Eeprom	Eeprom adapter
	S84-A84		Eeprom	Eeprom adapter
	S84-A86		Eeprom	Eeprom adapter
	S9A-N810		Eeprom	Eeprom adapter
	SDA-Y630		Eeprom	Eeprom adapter
	SV4-A91		Eeprom	Eeprom adapter
	SV4-A92		Eeprom	Eeprom adapter
	SV4-A93		Eeprom	Eeprom adapter
	SX0-A84		Eeprom	Eeprom adapter
	SX0-A85		Eeprom	Eeprom adapter
	Y614		Eeprom	Eeprom adapter
	Y615		Eeprom	Eeprom adapter
PEUGEOT	2989		Eeprom	Eeprom adapter
	29898		Eeprom	Eeprom adapter
	538400		Soldering contacts	Motorola adapter
	550519300		Eeprom	Eeprom adapter
	550539500		Soldering contacts	Motorola adapter
	5505720		Eeprom	Eeprom adapter
	550572000a		Eeprom	Eeprom adapter
	550572000b		Eeprom	Eeprom adapter
	550578100		Eeprom	Eeprom adapter
	550579100		Eeprom	Eeprom adapter
	550579100-1		Eeprom	Eeprom adapter
	550579100-2		Soldering contacts	Motorola adapter
	550725200-2		Eeprom	Eeprom adapter
	550725200-4		Eeprom	Eeprom adapter
	550740800-1		Eeprom	Eeprom adapter
	550740800-2		Eeprom	Eeprom adapter
	550741000-1		Eeprom	Eeprom adapter

	550741000-2		Eeprom	Eeprom adapter
	550741000-4		Eeprom	Eeprom adapter
	550741100-2		Eeprom	Eeprom adapter
	550892700		Eeprom	Eeprom adapter
	550892900-1		Eeprom	Eeprom adapter
	600237100-2		Eeprom	Eeprom adapter
	600237100-4		Eeprom	Eeprom adapter
	600237200		Eeprom	Eeprom adapter
	600902800		Eeprom	Eeprom adapter
	602327300		Eeprom	Eeprom adapter
	602327300-anahtarl		Eeprom	Eeprom adapter
	603602500		Eeprom	Eeprom adapter
	725200-4AI		Eeprom	Eeprom adapter
	790400		Eeprom	Eeprom adapter
	8645ham		Eeprom	Eeprom adapter
	8928ham		Eeprom	Eeprom adapter
	8929ham		Eeprom	Eeprom adapter
	8930ham		Eeprom	Eeprom adapter
	9550109280-6		Eeprom	Eeprom adapter
	9631847080		Eeprom	Eeprom adapter
	9635268880		Eeprom	Eeprom adapter
	9636894080-2		Eeprom	Eeprom adapter
	9636894080-4		Eeprom	Eeprom adapter
	9638592580		Eeprom	Eeprom adapter
	9640722980		Eeprom	Eeprom adapter
	9642163080		Eeprom	Eeprom adapter
	9643082380		Eeprom	Eeprom adapter
	9643400680		Eeprom	Eeprom adapter
	9644903380		Eeprom	Eeprom adapter
	9645840780		Eeprom	Eeprom adapter
	9645840780-4		Eeprom	Eeprom adapter
	9650709280		Eeprom	Eeprom adapter
	9650109480-6		Eeprom	Eeprom adapter
	9652712180-6		Eeprom	Eeprom adapter
	9652712180-8		Eeprom	Eeprom adapter
	BSILI		Eeprom	Eeprom adapter
	YWC 105790		Eeprom	Eeprom adapter
	YWC 106360		Eeprom	Eeprom adapter
BUICK	GL8		Soldering contacts	Motorola adapter
	SAIL		Soldering contacts	Motorola adapter
VW	1J0909605A		Eeprom	Eeprom adapter
	6Q0909601E		Eeprom	Eeprom adapter
	6Q0909601F		Eeprom	Eeprom adapter
	6Q0909605N		Eeprom	Eeprom adapter

	6Q0909605S-2		Eeprom	Eeprom adapter
	6Q0909605S-7		Eeprom	Eeprom adapter
	6Q0909606		Eeprom	Eeprom adapter
	SANTANA2000		Eeprom	Eeprom adapter
	VW2		diagnosis-plug	VW-OBD cable
	VW3		diagnosis-plug	VW-OBD cable
	VW5		diagnosis-plug	VW-OBD cable
	VW6		diagnosis-plug	VW-OBD cable
	POLO		Eeprom	Eeprom adapter
FIAT	46409123		Soldering contacts	Motorola adapter
	46443203		Soldering contacts	Motorola adapter
	464793640		Eeprom	Eeprom adapter
	464793645		Eeprom	Eeprom adapter
	46541774		Soldering contacts	Motorola adapter
	46550647		Soldering contacts	Motorola adapter
	46473600		Soldering contacts	Motorola adapter
	46768868		Soldering contacts	Motorola adapter
	46770172		Soldering contacts	Motorola adapter
	46789398		Soldering contacts	Motorola adapter
	BRAVO-464793640		Eeprom	Eeprom adapter
	BRAVO-46550647		Soldering contacts	Motorola adapter
	DOBLO-550 90 35 00		Eeprom	Eeprom adapter
	DOBLO-550 90 34 00		Eeprom	Eeprom adapter
	DUCATO-13169770		Eeprom	Eeprom adapter
	DUCATO-13231490		Soldering contacts	Motorola adapter
	MAREA-46409123		Soldering contacts	Motorola adapter
	MAREA-46763600		Soldering contacts	Motorola adapter
	PALIO 46765164		Eeprom	Eeprom adapter
	PALIP 51718980		Eeprom	Eeprom adapter
	PUNTO II -46758762		Eeprom	Eeprom adapter
	PUNTO-46426776		Soldering contacts	Motorola adapter
TOYOTA	CAMRY	2.4 (2002)	Eeprom	Eeprom adapter
	CAMRY	(2002)	Eeprom	Eeprom adapter
	33100		Eeprom	Eeprom adapter
	33260		Eeprom	Eeprom adapter
	52120		Eeprom	Eeprom adapter
	60110		Eeprom	Eeprom adapter
	89170-02100		Eeprom	Eeprom adapter
	89170-02160		Eeprom	Eeprom adapter
	89170-02180		Eeprom	Eeprom adapter
	89170-02250		Eeprom	Eeprom adapter
	89170-02270		Eeprom	Eeprom adapter
	89170-02290		Eeprom	Eeprom adapter
	89170-02430		Eeprom	Eeprom adapter
	89170-05010C		Soldering contacts	Motorola adapter

	89170-05010D		Soldering contacts	Motorola adapter
	89170-0501C		Soldering contacts	Motorola adapter
	89170-05030		Eeprom	Eeprom adapter
	89170-05030-2		Eeprom	Eeprom adapter
	89170-05050		Eeprom	Eeprom adapter
	89170-05080		Eeprom	Eeprom adapter
	89170-05120		Eeprom	Eeprom adapter
	89170-0D080		Eeprom	Eeprom adapter
	89170-0D100		Eeprom	Eeprom adapter
	89170-12110		Eeprom	Eeprom adapter
	89170-12111		Eeprom	Eeprom adapter
	89170-12130		Eeprom	Eeprom adapter
	89170-12131		Eeprom	Eeprom adapter
	89170-12280		Eeprom	Eeprom adapter
	89170-12300		Eeprom	Eeprom adapter
	89170-12400		Eeprom	Eeprom adapter
	89170-12410		Eeprom	Eeprom adapter
	89170-12420		Eeprom	Eeprom adapter
	89170-13020		Eeprom	Eeprom adapter
	89170-14090		Eeprom	Eeprom adapter
	89170-52040		Eeprom	Eeprom adapter
	89170-60200		Eeprom	Eeprom adapter
	89170-02430		Eeprom	Eeprom adapter
	VC-52180		Eeprom	Eeprom adapter
	VZ-52180		Eeprom	Eeprom adapter
FORD	02805001392-1		Soldering contacts	Motorola adapter
	02805001392-2		Soldering contacts	Motorola adapter
	02805001392-4		Soldering contacts	Motorola adapter
	0285001394		Soldering contacts	Motorola adapter
	0285001396		Soldering contacts	Motorola adapter
	0285001417-1		Soldering contacts	Motorola adapter
	0285001417-2		Soldering contacts	Motorola adapter
	0285001424		Soldering contacts	Motorola adapter
	0285001425		Soldering contacts	Motorola adapter
	0285001425-4		Soldering contacts	Motorola adapter
	550903400		Eeprom	Eeprom adapter
	5WK4-3030-2		Eeprom	Eeprom adapter
	5WK4-3103-4		Eeprom	Eeprom adapter
	ESCOTR 95AG14B056CG		Soldering contacts	Motorola adapter
	OR_ON 94AG14B056A1B		Soldering contacts	Motorola adapter
	MONDEO		Soldering contacts	Motorola adapter
	FIESTA-14B056DF		Soldering contacts	Motorola adapter
	FOCUS-0285 001396		Soldering contacts	Motorola adapter
	MONDEO		Eeprom	Eeprom adapter
VOLVO	0285001089		Soldering contacts	Motorola adapter
	30613048 A-2		Soldering contacts	Motorola adapter

	30613048 A-4		Soldering contacts	Motorola adapter
	30613048 A-6		Soldering contacts	Motorola adapter
	30613499A		Soldering contacts	Motorola adapter
	30613499A-2		Soldering contacts	Motorola adapter
	30617708A-6		Soldering contacts	Motorola adapter
	914879405		Soldering contacts	Motorola adapter
SUBARU	98221FA101		Eeprom	Eeprom adapter
	98221FC110		Eeprom	Eeprom adapter
RENAULT	550 80 36 00		Eeprom	Eeprom adapter
	7700 428 310 G		Soldering contacts	Motorola adapter
	7700302454F		Soldering contacts	Motorola adapter
	7700309435C		Soldering contacts	Motorola adapter
	770042341B		Soldering contacts	Motorola adapter
	770041425E		Soldering contacts	Motorola adapter
	7700414216A		Soldering contacts	Motorola adapter
	7700415596B		Soldering contacts	Motorola adapter
	7700426752B		Soldering contacts	Motorola adapter
	7700428310		Soldering contacts	Motorola adapter
	7700428310C		Soldering contacts	Motorola adapter
	7700428310D		Soldering contacts	Motorola adapter
	7700428310F		Soldering contacts	Motorola adapter
	7700428310G		Soldering contacts	Motorola adapter
	7700428311B		Soldering contacts	Motorola adapter
	7700428311C		Soldering contacts	Motorola adapter
	7700428311D		Soldering contacts	Motorola adapter
	7700428561D		Eeprom	Eeprom adapter
	7700430055A		Eeprom	Eeprom adapter
	770043205-1		Soldering contacts	Motorola adapter
	770043205-2		Soldering contacts	Motorola adapter
	7700437471C		Eeprom	Eeprom adapter
	7700437475		Eeprom	Eeprom adapter
	8200018830B		Eeprom	Eeprom adapter
	8200018830B-2		Eeprom	Eeprom adapter
	8200018835B		Eeprom	Eeprom adapter
	8200027784B		Eeprom	Eeprom adapter
	8200058365D		Eeprom	Eeprom adapter
	8200098401-1		Eeprom	Eeprom adapter
	8200098401-2		Eeprom	Eeprom adapter
	8200111667		Eeprom	Eeprom adapter
	8200111671		Eeprom	Eeprom adapter
	8200111671-4		Eeprom	Eeprom adapter
	8200111672		Eeprom	Eeprom adapter
	8200117651A		Eeprom	Eeprom adapter
	8200117651B		Eeprom	Eeprom adapter

	8200117652		Eeprom	Eeprom adapter
	8200117652-B		Eeprom	Eeprom adapter
	8200136038		Eeprom	Eeprom adapter
	8200138952		Eeprom	Eeprom adapter
	8200148339		Eeprom	Eeprom adapter
	8200154716		Eeprom	Eeprom adapter
	8200230857		Soldering contacts	Motorola adapter
	8200272510		Eeprom	Eeprom adapter
	8200277315		Soldering contacts	Motorola adapter
	8200277317		Soldering contacts	Motorola adapter
	8200307800		Eeprom	Eeprom adapter
	8200307800MEG2-6		Eeprom	Eeprom adapter
	8200314053		Eeprom	Eeprom adapter
	8200335431		Soldering contacts	Motorola adapter
	8200354723		Eeprom	Eeprom adapter
	8200375761		Soldering contacts	Motorola adapter
	8200375761-2+kemer		Soldering contacts	Motorola adapter
	8200375763		Soldering contacts	Motorola adapter
	8200381668		Eeprom	Eeprom adapter
	8200411004		Eeprom	Eeprom adapter
	82047304A		Soldering contacts	Motorola adapter
	MASTER		Eeprom	Eeprom adapter
LEXUS	89170-50060		Eeprom	Eeprom adapter
SUZUKI	60A2		Soldering contacts	Motorola adapter
LAND ROVER	77960-sn3-g81		Eeprom	Eeprom adapter
MAZDA	B30E57K30B		Eeprom	Eeprom adapter
	M6-GJ6A57K30C		Eeprom	Eeprom adapter
	323		Eeprom	Eeprom adapter
NISSAN	0285001186		Soldering contacts	Motorola adapter
	0285001187		Soldering contacts	Motorola adapter
	0285001319-4		Soldering contacts	Motorola adapter
	0285001323		Soldering contacts	Motorola adapter
	0285001327-2		Soldering contacts	Motorola adapter
	0285001411		Soldering contacts	Motorola adapter
	209M000		Eeprom	Eeprom adapter
	28556 2S700		Eeprom	Eeprom adapter
	28556 3N705 X		Eeprom	Eeprom adapter
	2855641U00		Eeprom	Eeprom adapter
	2855643U00		Eeprom	Eeprom adapter
	2855653U00		Eeprom	Eeprom adapter
	3L400		Eeprom	Eeprom adapter
	3L405		Eeprom	Eeprom adapter
	4Y715		Eeprom	Eeprom adapter
	7M806		Eeprom	Eeprom adapter

	A33		Eeprom	Eeprom adapter
	B25E57K30B		Eeprom	Eeprom adapter
	FS285565E		Eeprom	Eeprom adapter
	FS285565E911		Eeprom	Eeprom adapter
	XTRAL		Eeprom	Eeprom adapter
	SUNNY		Eeprom	Eeprom adapter
	285565E905		Eeprom	Eeprom adapter
	BLUEBIRD		Eeprom	Eeprom adapter
	285565E910		Eeprom	Eeprom adapter
	TEANA285569W100		Eeprom	Eeprom adapter
	CEFIRO (2001)		Eeprom	Eeprom adapter
OPEL	09229038BB-2		Soldering contacts	Motorola adapter
	09229302		Diagnosis-plug	Diagnosis-plug
	92099762		Diagnosis-plug	Diagnosis-plug
	13158712ZJ		Soldering contacts	Motorola adapter
	24416692DH		Soldering contacts	Motorola adapter
	24416701DJ-2		Soldering contacts	Motorola adapter
	24416701DJ-4		Soldering contacts	Motorola adapter
	24417007DS		Soldering contacts	Motorola adapter
	24423840EP		Soldering contacts	Motorola adapter
	24439954LC		Soldering contacts	Motorola adapter
	24439954LC-1		Soldering contacts	Motorola adapter
	24439954LC-2		Soldering contacts	Motorola adapter
	361633100YB		Soldering contacts	Motorola adapter
	5WK42897		Soldering contacts	Motorola adapter
	90520841AF		Soldering contacts	Motorola adapter
	904647051		Soldering contacts	Motorola adapter
	904647051-2		Soldering contacts	Motorola adapter
	90508980-1		Soldering contacts	Motorola adapter
	90532443AG-1		Soldering contacts	Motorola adapter
	90532443AG-2		Soldering contacts	Motorola adapter
	90569340BQ-1		Soldering contacts	Motorola adapter
	90569340BQ-2		Soldering contacts	Motorola adapter
	90569350DB-2		Soldering contacts	Motorola adapter
	90569350DB-4		Soldering contacts	Motorola adapter
	90582536DG-2		Soldering contacts	Motorola adapter
	90582536DG-4		Soldering contacts	Motorola adapter
	CORSA		Soldering contacts	Motorola adapter
	VECTRAC		Soldering contacts	Motorola adapter
CHERY	QQS11-3606010		Soldering contacts	Motorola adapter
	B11-3606010		Soldering contacts	Motorola adapter
KIA	95910 3C 100		Soldering contacts	Motorola adapter
MITSUBISHI	0285001235-1		Soldering contacts	Motorola adapter
	0285001235-2		Soldering contacts	Motorola adapter

	0285001236		Soldering contacts	Motorola adapter
	0285001285		Soldering contacts	Motorola adapter
	0285001286-789DPB		Soldering contacts	Motorola adapter
	0285001286-898DPB		Soldering contacts	Motorola adapter
	268154		Eeprom	Eeprom adapter
	268157		Eeprom	Eeprom adapter
	942715		Eeprom	Eeprom adapter
	BOSCH 0 285 001 127		Soldering contacts	Motorola adapter
	BOSCH 0 285 001 232		Soldering contacts	Motorola adapter
	LANSEROK16		Eeprom	Eeprom adapter
	LANSEROK8		Eeprom	Eeprom adapter
	MB942715		Eeprom	Eeprom adapter
	MB953173		Eeprom	Eeprom adapter
	PAJERO		Eeprom	Eeprom adapter
	YANAR		Eeprom	Eeprom adapter
	MN141499		Eeprom	Eeprom adapter
	OUTLANDER-MN141499		Eeprom	Eeprom adapter
SAAB	0285001089		Soldering contacts	Motorola adapter
	05014212		Soldering contacts	Motorola adapter
SKODA	1C0909605		Soldering contacts	Motorola adapter
	601C		Soldering contacts	Motorola adapter
HYUNDAI	1C001		Eeprom	Eeprom adapter
	95160-29750		Soldering contacts	Motorola adapter
	95900-4A401		Soldering contacts	Motorola adapter
	95910-1C100		Eeprom	Eeprom adapter
	95910-22253		Soldering contacts	Motorola adapter
	95910-25300		Soldering contacts	Motorola adapter
	95910-25600-2		Soldering contacts	Motorola adapter
	95910-29100		Soldering contacts	Motorola adapter
	95910-38300		Soldering contacts	Motorola adapter
	SONATA95910-3D100		Eeprom	Eeprom adapter
	TERRCAN95910-H1400		Soldering contacts	Motorola adapter
	95910-27100		Soldering contacts	Motorola adapter
	COUPE95910-2C200		Soldering contacts	Motorola adapter
	ELANTRA95910-2D710 1K71E		Soldering contacts	Motorola adapter
	ELANTRA95910-2D720 1K71E		Soldering contacts	Motorola adapter
CITROEN	0116390 Q D9		Eeprom	Eeprom adapter
	0150871 H E9		Eeprom	Eeprom adapter
	0160443 D G8		Eeprom	Eeprom adapter
	0211549 P J8		Eeprom	Eeprom adapter
	550 40 25 00		Soldering contacts	Motorola adapter
	550 51 93 00		Eeprom	Eeprom adapter
	550 53 89 00		Soldering contacts	Motorola adapter
	550 77 63 00		Eeprom	Eeprom adapter

	600237400		Eeprom	Eeprom adapter
	9622585880		Eeprom	Eeprom adapter
	9633621380		Eeprom	Eeprom adapter
	9637176880		Eeprom	Eeprom adapter
	C3 9647794180		Soldering contacts	Motorola ad

RADIO DECODING

Manufacture	Model	Version	Method	Adapter
BLAUPUNKT	BLAUPUNKT		Eeprom	TMS adapter
BMW	740		Eeprom	Eeprom adapter
	BE0774		Eeprom	Eeprom adapter
	BE2450		Eeprom	Eeprom adapter
	C33		Eeprom	Eeprom adapter
	KE83		Eeprom	Eeprom adapter
	KE91		Eeprom	Eeprom adapter
	KEH81		Eeprom	Eeprom adapter
	KEH83		Eeprom	Eeprom adapter
	KEH91		Eeprom	Eeprom adapter
	KEH93		Eeprom	Eeprom adapter
	PH785		Eeprom	Eeprom adapter
	PH7850		Eeprom	Eeprom adapter
	PH7851		Eeprom	Eeprom adapter
	PH7860		Eeprom	Eeprom adapter
	PH9860		Eeprom	Eeprom adapter
PORSCHE	CR1		Eeprom	Eeprom adapter
BENZ	0728		Eeprom	Eeprom adapter
	0729		Eeprom	Eeprom adapter
	0780		Eeprom	Eeprom adapter
	1100		Eeprom	Eeprom adapter
	1130		Eeprom	Eeprom adapter
	1151		Eeprom	Eeprom adapter
	1302		Eeprom	Eeprom adapter
	1319		Eeprom	Eeprom adapter
	1328		Eeprom	Eeprom adapter
	1350		Eeprom	Eeprom adapter
	1351		Eeprom	Eeprom adapter
	1430		Eeprom	Eeprom adapter
	1431		Eeprom	Eeprom adapter
	1432		Eeprom	Eeprom adapter
	1436		Eeprom	Eeprom adapter
	1460		Eeprom	Eeprom adapter
	1480		Eeprom	Eeprom adapter
	1490		Eeprom	Eeprom adapter
	1491		Eeprom	Eeprom adapter
	1492		Eeprom	Eeprom adapter
	1560		Eeprom	Eeprom adapter
	1650		Eeprom	Eeprom adapter
	1690		Eeprom	Eeprom adapter
	1691		Eeprom	Eeprom adapter
	1692		Eeprom	Eeprom adapter
	2045		Eeprom	Eeprom adapter
	2140		Eeprom	Eeprom adapter
	2180		Eeprom	Eeprom adapter
	2210		Eeprom	Eeprom adapter
	2330		Eeprom	Eeprom adapter
	2340		Eeprom	Eeprom adapter
	2450		Eeprom	Eeprom adapter
	3101		Eeprom	Eeprom adapter
	3200		Eeprom	Eeprom adapter
	3311		Eeprom	Eeprom adapter
	99		Eeprom	Eeprom adapter

	BE0876		Eeprom	Eeprom adapter
	BE0879		Eeprom	Eeprom adapter
	BE0881		Eeprom	Eeprom adapter
	BE1436		Eeprom	Eeprom adapter
	CQLP2610Z		Eeprom	Eeprom adapter
	LP1320		Eeprom	Eeprom adapter
	LP1420		Eeprom	Eeprom adapter
	LP2610Z		Eeprom	Eeprom adapter
	LP26117		Eeprom	Eeprom adapter
	MF2197		Eeprom	Eeprom adapter
	MF2297		Eeprom	Eeprom adapter
HONDA	1102		Eeprom	Eeprom adapter
	1106		Eeprom	Eeprom adapter
	1107		Eeprom	Eeprom adapter
	1108		Eeprom	Eeprom adapter
	1109		Eeprom	Eeprom adapter
	1601		Eeprom	Eeprom adapter
	1XA1		Eeprom	Eeprom adapter
	1XC1		Eeprom	Eeprom adapter
	1XK0		Eeprom	Eeprom adapter
	1XK3		Eeprom	Eeprom adapter
	1XX0		Eeprom	Eeprom adapter
	GZHONDA04		Eeprom	Eeprom adapter
	GZHONDA08		Eeprom	Eeprom adapter
TOYOTA	11706		Eeprom	Eeprom adapter
	11708		Eeprom	Eeprom adapter
	11712		Eeprom	Eeprom adapter
	11713		Eeprom	Eeprom adapter
	13702		Eeprom	Eeprom adapter
	13705		Eeprom	Eeprom adapter
	16803		Eeprom	Eeprom adapter
	16804		Eeprom	Eeprom adapter
	16806		Eeprom	Eeprom adapter
	16807		Eeprom	Eeprom adapter
	17801		Eeprom	Eeprom adapter
	51703		Eeprom	Eeprom adapter
	56804		Eeprom	Eeprom adapter
	56806		Eeprom	Eeprom adapter
	56807		Eeprom	Eeprom adapter
FORD	CHEVROLET		Eeprom	TMS adapter
	FORD		Eeprom	Eeprom adapter
VOLVO	SC800		Eeprom	Eeprom adapter
	SC801		Eeprom	Eeprom adapter
	SC802		Eeprom	Eeprom adapter
	SC805		Eeprom	Eeprom adapter
	SC810		Eeprom	Eeprom adapter
	SC811		Eeprom	Eeprom adapter
	SC813		Eeprom	Eeprom adapter
	SC815		Eeprom	Eeprom adapter
	SC816		Eeprom	Eeprom adapter
CADILLAC	DELCO		Eeprom	TMS adapter
CHRYSLER	22DC96452R		Eeprom	Eeprom adapter
	PH924		Eeprom	Eeprom adapter
	PH964		Eeprom	Eeprom adapter
RENAULT	RENAULT		Eeprom	Eeprom adapter

LEXUS	N004		Eeprom	Eeprom adapter
	N204		Eeprom	Eeprom adapter
	P1604		Eeprom	Eeprom adapter
	P1602		Eeprom	Eeprom adapter
	P1601		Eeprom	Eeprom adapter
	P1609		Eeprom	Eeprom adapter
	P1700		Eeprom	Eeprom adapter
	P1701		Eeprom	Eeprom adapter
	P622		Eeprom	Eeprom adapter
	P623		Eeprom	Eeprom adapter
	P624		Eeprom	Eeprom adapter
	P625		Eeprom	Eeprom adapter
	P626		Eeprom	Eeprom adapter
	P6801		Eeprom	Eeprom adapter
	P6802		Eeprom	Eeprom adapter
MAZDA	1264		Eeprom	Eeprom adapter
	1265		Eeprom	Eeprom adapter
	1270		Eeprom	Eeprom adapter
	2264		Eeprom	Eeprom adapter
	2632		Eeprom	Eeprom adapter
	3226		Eeprom	Eeprom adapter
	3262		Eeprom	Eeprom adapter
	LM1530A		Eeprom	Eeprom adapter
	LM3312A		Eeprom	Eeprom adapter
NISSAN	CT011		Eeprom	Eeprom adapter
	CT016		Eeprom	Eeprom adapter
KIA	8602		Eeprom	Eeprom adapter
	A07003		Eeprom	Eeprom adapter
	A8600		Eeprom	Eeprom adapter
	A8602		Eeprom	Eeprom adapter
MITSUBISHI	E049		Eeprom	Eeprom adapter
	M579		Eeprom	Eeprom adapter
	M584		Eeprom	Eeprom adapter
	P501		Eeprom	Eeprom adapter
	P502		Eeprom	Eeprom adapter
	P503		Eeprom	Eeprom adapter
	P508		Eeprom	Eeprom adapter
	P601		Eeprom	Eeprom adapter
	P602		Eeprom	Eeprom adapter
	P603		Eeprom	Eeprom adapter
	P704		Eeprom	Eeprom adapter
	P801		Eeprom	Eeprom adapter
	P805		Eeprom	Eeprom adapter
	P903		Eeprom	Eeprom adapter
	PM9059		Eeprom	Eeprom adapter
	PM9859M		Eeprom	Eeprom adapter
	Q401		Eeprom	Eeprom adapter
OPEL	201		Eeprom	Eeprom adapter
	SC201		Eeprom	Eeprom adapter
VW	SANTANA	98	Eeprom	Eeprom adapter
	CQLA1020		Eeprom	Eeprom adapter
	CQLA1120		Eeprom	Eeprom adapter
	CQLV1110		Eeprom	Eeprom adapter
	CQLV1111		Eeprom	Eeprom adapter
	PE9839W		Eeprom	Eeprom adapter

	VW2623		Eeprom	Eeprom adapter
	SANTANA		Eeprom	Eeprom adapter
	AUZIZ2S		Eeprom	Eeprom adapter
	94ad		Eeprom	Eeprom adapter
	98ad		Eeprom	Eeprom adapter
	1.8LA1930K		Eeprom	Eeprom adapter
	2.8LA1930K		Eeprom	Eeprom adapter
	2.4LA1930K	99	Eeprom	Eeprom adapter
	LP1811		Eeprom	Eeprom adapter
	CQLA1620		Eeprom	Eeprom adapter
	B5VWZ6Z2Y		Eeprom	Eeprom adapter
	B5VWZ6Z3Y11614621		Eeprom	Eeprom adapter
	BORAVWZ6Z2B		Eeprom	Eeprom adapter
LAND ROVER	8887A		Eeprom	Eeprom adapter
	9887A		Eeprom	Eeprom adapter

Diagnosis-plug: programming without removing the cluster
Soldering contacts: programming by soldering contacts on the circuit board
Eeprom: programming the Eeprom by socket