

Frontera MY97 Alarm fault codes+measuring blocks

Astra-F, engine X16NE fault codes+measuring blocks info added.

Corsa-B, engine X14NE, X16NE fault codes+measuring blocks info added.

Frontera-B Immobiliser fault codes corrected.

Vectra-C, Engine, Z 32 SE, fault codes+measuring blocks info+output tests

Opel Antara, X 20 DM, X 20 DMH, fault codes+measuring blocks info

Vectra-C, engine Z19DT fault codes+measuring blocks info

Vectra-C, engine Z19DTH fault codes+measuring blocks info

Vectra-C, engine Z22YH fault codes+measuring blocks info

Astra-H, engine Z19DT fault codes+measuring blocks info

Astra-H, engine Z19DTH fault codes+measuring blocks info

Astra-H, engine Z20LEL fault codes+measuring blocks info

Astra-H, engine Z20LER fault codes+measuring blocks info

Astra-H, engine Z20LEH fault codes+measuring blocks info

Astra-H, engine Z22YH fault codes+measuring blocks info

Zafira-B, engine Z19DT fault codes+measuring blocks info

Zafira-B, engine Z19DTH fault codes+measuring blocks info

Zafira-B, engine Z20LER fault codes+measuring blocks info

Zafira-B, engine Z20LEH fault codes+measuring blocks info

Zafira-B, engine Z22YH fault codes+measuring blocks info

Astra-H, engine Z16XER measuring blocks corrected.

All EDC16 based Engine ECU should be fully supported by now.

Vectra-C CIM, EHU, DIS, ESM, PDM, DDM, UEC, REC, BCM, ATM, AHL/AFL, PAS, EHPS fault codes added/updated.

Astra-H/Zafira-B CIM, EHU, DIS, UEC, REC, ATM fault codes added/updated.

The “Module/ECU Presence Check”, and the “Vehicle DTC Information” functions were redesigned from scratch, and now read the vehicle CIM CAN configuration in order to obtain the list of the module addresses needs to be scanned.

The “Vehicle DTC Information” gives you the overall fault code list of the vehicle. You can save this list into a file, and you can clear the fault codes from all of the installed control units, with a single click of a button.

Support for arming/disarming the EHU on Astra-H / Zafira-B was added.  
Support for arming/disarming the NCDR/NCDC Radio+Info Display+CD Changer

On the Astra-H, and Zafira-B models, all of the immobiliser related control units can be freely programmed. You can reset/program the following units: CIM, ECM, IPC, UEC, REC, EHU

On the Vectra-C/Signum, currently the following immobiliser related control units can be programmed: IPC, REC, BCM, DDM, PDM. Support for the remaining control units is currently under development (the reset/program operation on the CIM, and ECM is currently not supported)

We added support for setting the date, and time on the DIS of the Astra-H / Zafira-B.  
You can save the measuring blocks parameter list to a file, with a single click of a button.  
Astra-G Z 17 DTL measuring blocks information corrected.

The measuring blocks information was corrected on all of the Astra-F, and Corsa-B ECM units, which uses the KW81 protocol. Also, the immobiliser programming function for these systems were added. Now you can freely change, and synchronise these ECMs as well, the following engine codes are affected in this:

12NZ, C12NZ, C14NZ, C14SE, X12SZ, 14SE, C16SE, X14NZ, 16LZ2

The screen size was optimised for the use on the UMPC, and the full-screen behaviour was made default. The support for multiple monitors was corrected.

Now you can access the fault codes, and measuring block with a single click, you do not have to press the "Back" button.

The overall stability of the program is improved, many stupid bugs was removed.

**And there are some extra functions, which cannot be found in the factory tool:**

The security code can be read out from the instrument cluster of the following models, via diagnostic link: Corsa-C, Meriva, Tigra-B.

The EEPROM content of the following Instrument clusters can be accessed (read/write) via the diagnostic link: Vectra-B, Corsa-C, Tigra-B, Meriva.

On the Astra-G, this function will be available in the next release.

The EEPROM content and the security code can be accessed (read/write) via the diagnostic link of the first generation immobiliser unit. The security code can be read out, if it was entered correctly in the past.

An automatic ECM identification procedure was added; this helps you to avoid wrongly selected ECM systems. This procedure is only available for KWP2000, or CAN capable control units. In the diagnostic menu, this function is called as "Automatic Vehicle Identification".

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## Firmware Version V01.15

Serious communication error was corrected in the KW-82, and KW-81 protocol handler

Frontera, Engine X20SE fault codes+measuring blocks info+output tests

Frontera, Engine X22XE fault codes+measuring blocks info+output tests

Frontera, Engine 25DTS fault codes+measuring blocks info+output tests

Frontera, ABS415 fault codes+measuring blocks info

Sintra, Engine X 22 XE fault codes+measuring blocks info+output tests

Frontera-B, Engine Y 22 DTH, PSG5, fault codes+measuring blocks info+output tests

Frontera-B, Engine Y 22 DTH, PSG16, fault codes+measuring blocks info+output tests

Frontera-B, ATM AR 25/35

Agila, ABS fault codes+measuring blocks info

Agila, EPS fault codes+measuring blocks info

Astra-F, Engine 18 SE fault codes+measuring blocks info+output tests

Astra-F, Engine C 18 SEL fault codes+measuring blocks info+output tests

Astra-F, Engine X 18 XE fault codes+measuring blocks info+output tests

Astra-F, Engine X 20 XEV fault codes+measuring blocks info+output tests

Astra-F, ATM, AF 13/14/20

Astra-G, Engine Y 22 DTR PSG16, fault codes+measuring blocks info+output tests

Astra-H, reset Service Interval via diagnostic

Astra-H, engine Z13DTH fault codes+measuring blocks info+output tests

Astra-H, engine Z14XEP fault codes+measuring blocks info+output tests

Astra-H, fault code list updated of the UEC, and the REC

Vectra-B, ABS5.3/5.4 +TC programming option

Omega-B, ABS5.3/5.4 +TC programming option

Omega-B, Headlight Levelling fault codes+measuring blocks

Vectra-C, fault code list updated of the following ECUs: UEC, REC, BCM

Vectra-C, programming/configuration option was added for the single-stage SDM.

New entries added for the Opel Antara/Chevrolet Captiva.

Also, there is a new menu, called “Other GM makes” Under this menu, you will find other GM cars, where the protocol is also the same, therefore you can diagnose these cars too. Please don't expect too much, since the main goal of the program is not this, but it could be handy, not to mention, that several components are almost the same in these vehicles.

The whole control unit list was updated to 2007.

Added support for the following control units (fault codes, measuring blocks, output tests):

Corsa-B, EPS  
Vectra-B, Alarm  
Vectra-B, CDL  
Omega-B, Engine Y25DT  
Astra-G, Zafira Engine Y 22 DTR, PSG16  
Astra-G, Engine Z14XEP  
Astra-G, Zafira, Engine Z16YNG  
Astra-G, Engine Z14XEP  
Astra-G, Zafira, Engine Z16XEP  
Zafira, Engine Z16XE  
Zafira, Engine Z 20 LET  
Astra-G, Engine Z14XEP  
Frontera-B, Engine X22DTH  
Sintra, Engine X22DTH  
Speedester, Engine Z20LET  
Speedester, Engine Z22SE  
Meriva, Engine Z14XEP  
Meriva, Engine Z16XE  
Meriva, Engine Y17DT  
Meriva, Engine Z17DTH  
Meriva, Engine Z18XE  
Meriva, ABS8  
Corsa-C, Engine Z14XEP  
Corsa-C, ABS8  
Agila, Engine Z10XEP  
Agila Engine Z12XEP  
Tigra-B, Engine Z14XEP  
Tigra-B, Engine Z18XE  
Tigra-B, ABS8  
Omega-B, Engine Y 26 SE  
Omega-B, Engine Y 32 SE  
Astra-G, Engine Z 17 DTL

The Corsa-D entries have been added, but currently only the fault code read, and clear function is working. There is no measuring blocks, output tests, or fault code text available. These will be added later. Service Interval Reset on Vectra-C through diagnostic procedure is added. The immobiliser entry was added to the list, for Vectra-C/Signum, Astra-H, Zafira-B. On these vehicles, the immobiliser function is implemented by the CIM module. Several changes were made in the GUI. Now you can use the keyboard, to navigate through the program (Enter, PageUp, PageDown, ESC keys can be used.) From this version, OP-COM will notify you, if the selected ECU is not fully programmed, and requires additional SPS programming, with the TECH2. From now on, the printing function also prints the name of the workshop.

## OP-COM Release 070205 – What's corrected

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The KWP-2000 protocol handler was corrected.  
Fault-codes text, and measuring-blocks information was added.  
Astra-G, Zafira EHPS measuring blocks was corrected.  
Astra-F, X14NZ Engine coolant temperature display was corrected.

## OP-COM Release 061201 – What's new

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Added support for the following control units:

SAB6 Airbag ECU Coding  
SAB8 Airbag ECU Coding

## OP-COM Release 061115 – What's new

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Added support for the following control units:

Omega-B, X25DT  
Vectra-C, Z16XE  
Vectra-C, Z18XE  
Vectra-C, Y20DTH  
Vectra-C, Y22DTR  
Vectra-C, Z22SE  
Vectra-C, Y30DT  
Astra-H, Z17DTL  
Astra-H, Z17DTH  
Zafira-B, Z19DT  
Vivaro EDC15C3, F9Q 762 measuring blocks, and output tests added.  
Vivaro BCM, Airbag, ABS measuring blocks, and output tests added.

Added support for the following procedures:

Reset Steering-angle sensor, on Astra-H, Vectra-C  
Reset/Program BCM module on Corsa-C, Meriva, Tigra-B  
Reset/Program IPC module on Corsa-C, Meriva, Tigra-B  
Program new keys to Vectra-C, Astra-H, Zafira-B  
Reset Service interval on Corsa-C, Meriva, Tigra-B  
Reset Service interval on Astra-G, Zafira  
Program EDC15VM parameters  
Replace injector on Multijet Z13DT/Y13DT engine  
Setting CAN configuration on Vectra-C, Astra-H, Zafira-B control units.  
Read-out stored km value from ECM (cross-checking with dash is possible!)

## OP-COM Release 061115 – What's corrected

There were communication problems with some engine control unit, using the KWP-2000 protocol. The reason was the incorrect timing. Now the user can set all the relevant communication protocol settings, under the Settings menu, Advanced Protocol Options.

Many text was added for fault-codes, and measuring-blocks.

## Firmware V01.10 (15-11-2006)

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- protocol timing (allow user to set protocol related timing parameters)
- improved CAN transport layer
- added support for Omega-B, X25DT engine (using KW-9141-2)
- improved stability
- backward compatible

## Firmware V01.03 (20-08-2006)

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- Completely rewritten communication routines
- New KWP-2000 protocol handler
- New KW82 protocol handler
- New KW81 protocol handler
- Using priority interrupts
- Faster communication speed
- Improved stability
- Not backward compatible! (cannot be used with Release 060619)

## Firmware V01.01 (19-06-2006)

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First public release