FCA
FIAT CHRYSLER AUTOMOBILES

CAMPAIGNS

Torino - 08/04/2019

Service Campaign 8236

ENGINE CONTROL MODULE (eWP errors)

On a batch of Alfa Romeo GIULIA and STELVIO 2.0 P version vehicles, the CCV (themostat) valve may temporarily jam as a result of prolonged storage. New SW will be released containing an unlocking strategy which will solve the issue.

The same SW release will include desensitisation of the secondary coolant pump diagnostics (LT eWP), which will avoid improper lighting of the warning light MIL on the instrument panel.

Therefore, action must be taken during pre-delivery inspections on vehicles still in stock operating according to the operating cycle to upgrade all vehicles.

BRAND	ALFA
MODEL	Giulia - Stelvio 2.0 GME Euro 6B - CHINA only
PRODUCTION PERIOD	All vehicles with chassis number listed in SiGi
PROBLEM / FAULT	Nonconforming Engine Control Module ECM software calibration
PLANNED OPERATION	Software Update
SPECIAL TOOLS	• wiTECH 2.0 with registered micro POD II

REMUNERATION

Manpower and material	
Cost	A01
Campaign	8236
Operation	**Time**
A - Operation 1 - (Check)	0.20
B - Operation 1 + 2 - (Check + SW update)	0.50
Miscellaneous costs (mail, etc.)	
Cost	A10
Campaign	8236

EMEA
REGION

OPERATING CYCLE

Operation 1 - Check engine control module (ECM) software

Access vehicle view using the diagnosis tool.

IMPORTANT *Before proceeding, perform a Scan Report and save a copy for further investigations*.

• Select the engine control module ECM open the Flash tab.

• Compare the installed software number with the suggested new software (check correct version on the HW and SW code tables shown below).

If the version given is the same as the installed version: reprogramming is not required. Hand the vehicle back.

If the suggested version is different from that installed, reprogramming following **Operation 2** below.

Operation 2 - Update engine control module (ECM) software

Upgrade the engine control module (ECM) software as described below.

• **ECM reprogramming procedure**

• **PROXI alignment**

• **Post-reprogramming learning procedures**

IMPORTANT *The Personal Computer used as diagnostic tool must be configured with an email program to be able to receive and read email messages. The reprogramming operation includes reading/writing data sent by email.*

IMPORTANT *Before proceeding with reprogramming, ensure that Logistic Mode is deactivated.*

IMPORTANT *When performing service operations which require reprogramming the software in electronic control modules or radio-navigator devices, etc. in order to ensure the correct level of electrical power during the operation it is necessary to connect a battery charger / additional battery to guarantee the nominal voltage of 12.5V 10Ah for the entire duration for the update.*

IMPORTANT *Before updating the software, perform a Scan Report and save a copy for further investigations.*

• Engine control module (ECM) reprogramming procedure

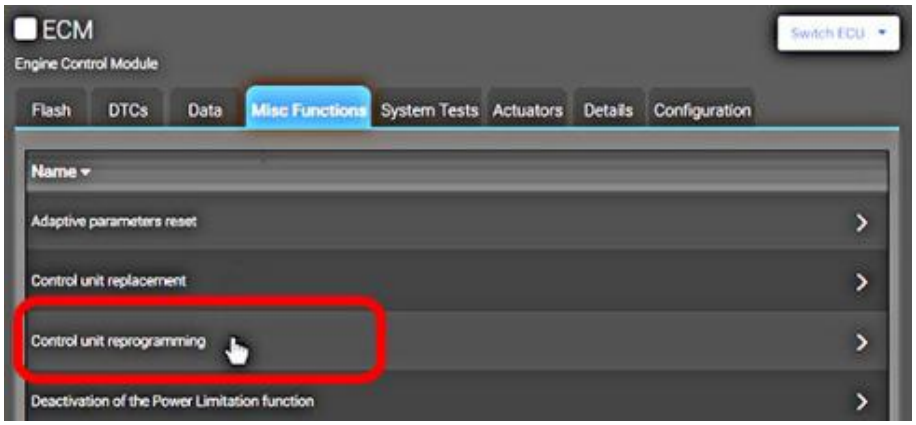
IMPORTANT *Carefully read and follow all the instructions and warning messages displayed during reprogramming; do not continue with the subsequent messages without performing all that is required at each step.*

NOTE *The reprogramming process must be restarted if it is interrupted/aborted.*

With the diagnosis equipment, access Vehicle view, select the ECM (Engine Control Module) and open the Misc. Functions tab.

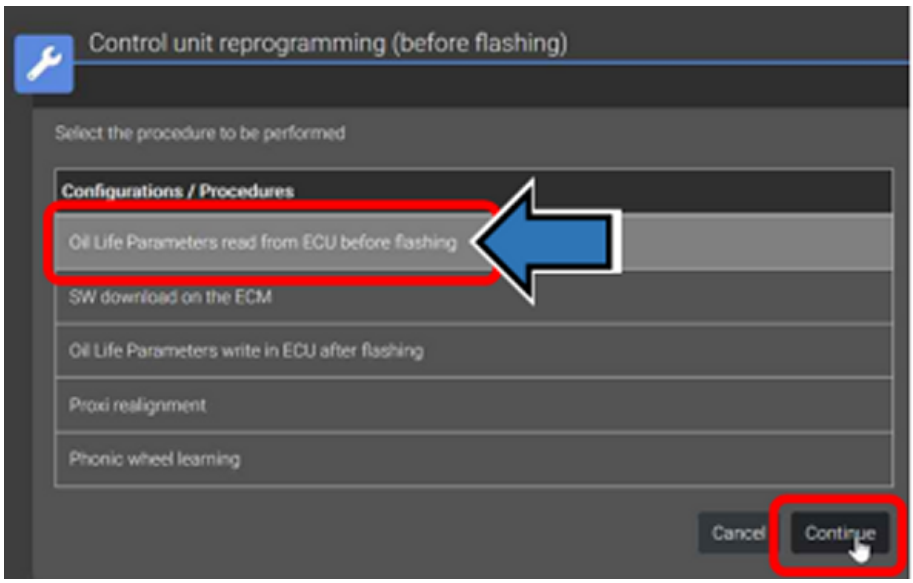
• On the tab, select control unit reprogramming (Fig. 1) and continue until the page shown in Fig. 2 appears.

Fig. 1



• On the page, select Oil life parameters read from ECU before flashing (Fig. 2) and continue until the page shown in Fig. 3 appears.

Fig. 2



• On the page, confirm saving of the parameters report (Fig. 3) and continue.

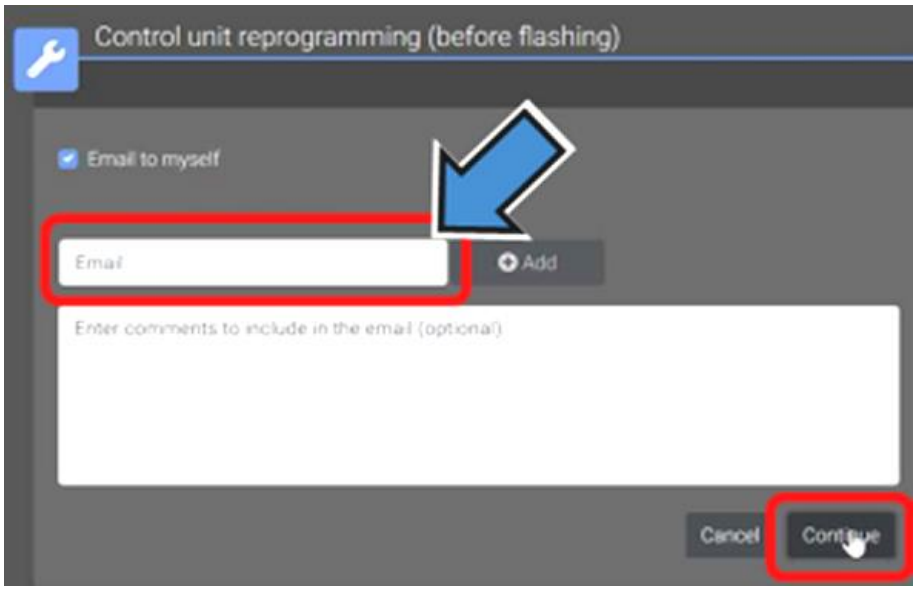
Fig. 3

• Take note of the parameter report file name - Read_Configuration.html (Fig. 4) and continue.

Fig. 4

• Enter the email address (Fig. 5) to which the email will be sent with “wiTECH2” in the subject line. Attach the file and continue.

Fig. 5



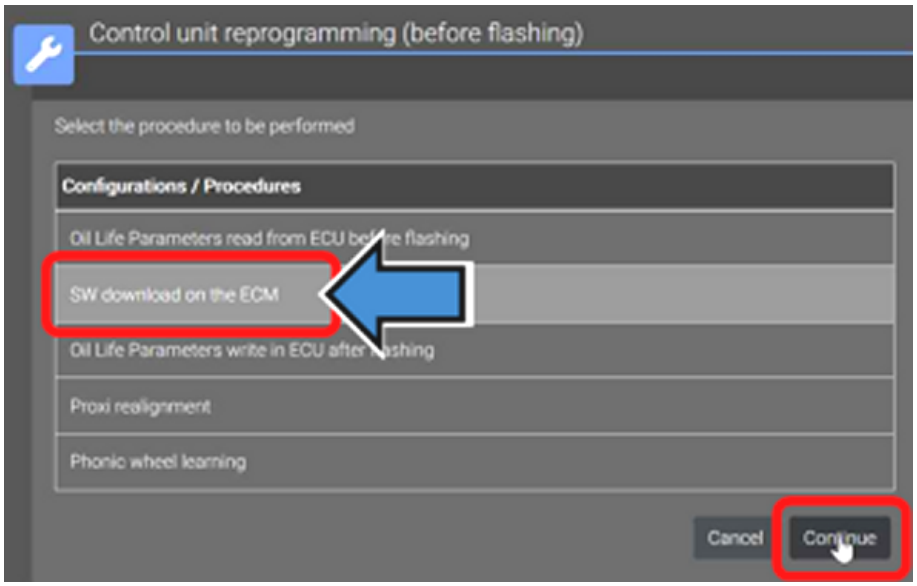
IMPORTANT *Make sure that you have received the email with attached file BEFORE UPDATING THE ECM (Fig. 6).*

• If you received the file correctly, click on next.

Fig. 6

• Select SW download on the ECM (Fig. 7), click on next to go to the Flash tab and reprogram the ECM.

Fig. 7

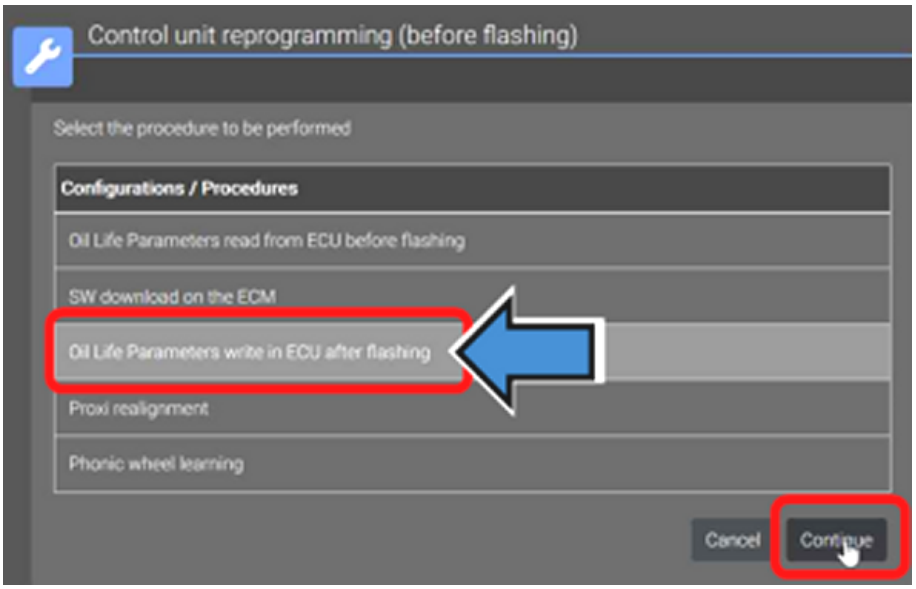


At the end of the programming procedure, reset any errors (DTC) that may have been generated in other modules as a result of the programming. These will be shown on the All DTCs tab.

• Open the email with "wiTECH2" in the subject line; open the attached file Read_Configuration.html, and copy the code string it contains.

• Select Oil life parameters write in ECU after flashing (Fig. 8) and continue following the instructions which appear.

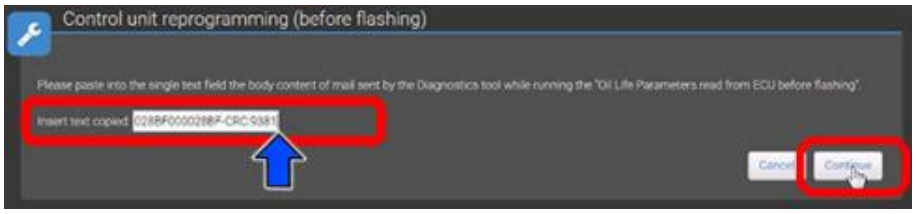
Fig. 8



• Paste the code string copied from the html file in the space provided (Fig. 9) and continue by following the instructions shown.

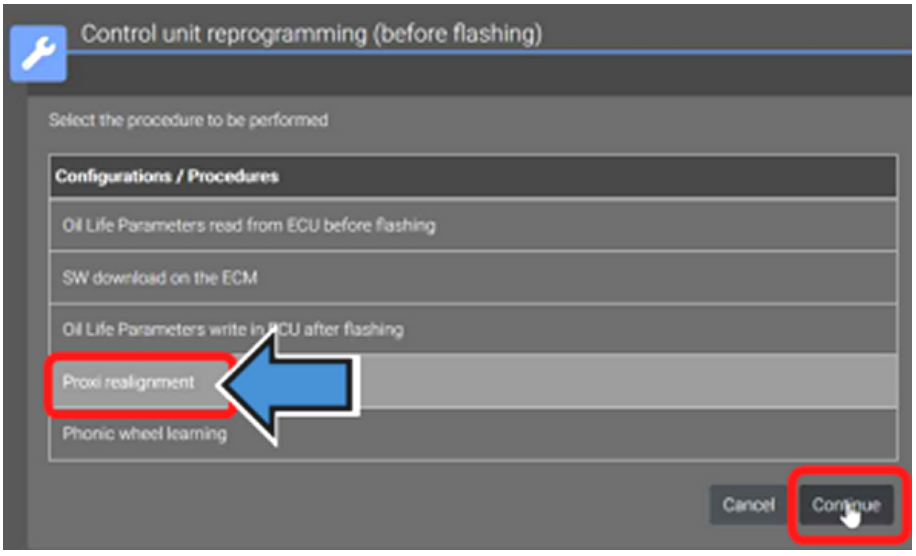
IMPORTANT *Make sure there are no trailing spaces after the last digit.*

Fig. 9



• Select Realignment Proxi (Fig. 10), click on Continue and follow the instructions which appear.

Fig. 10



• Select Phonic wheel learning (Fig. 11) and continue as shown below.

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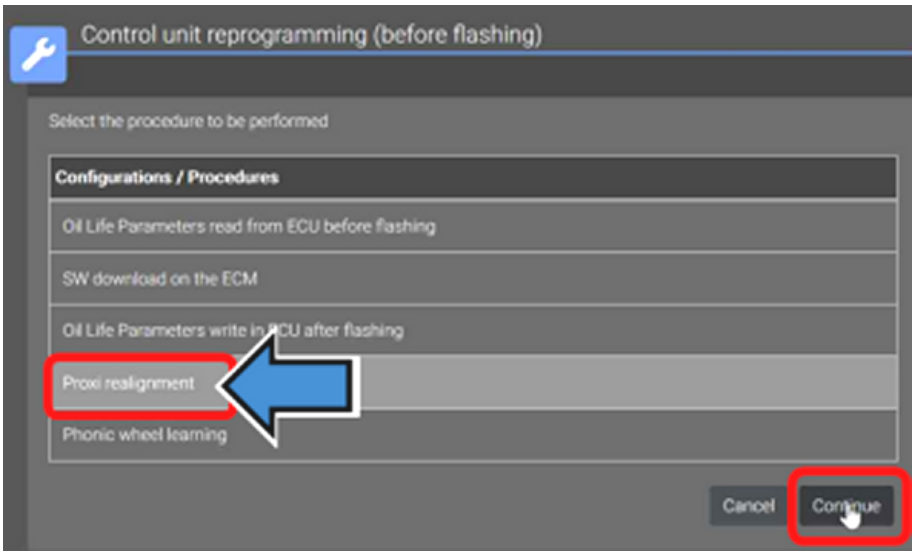
Fig. 11



IMPORTANT *Do not proceed with programming the control module if a new reprogramming with SW number and SW version with code N/A appears after having updated the software.*

• Post-reprogramming learning procedure

Access vehicle view using the diagnosis tool.
• Select the ECM (Engine Control Module) and open the Misc Functions tab. On the tab, start the following post-reprogramming learning procedure:

Phonic wheel learning procedure

IMPORTANT *Read and carefully follow the displayed instructions and requirements. DO NOT CONTINUE with the following operations before carrying out everything requested at each step.*

IMPORTANT *DTC P1300-00 would remain active on the engine control module (ECM) if the learning procedure is not performed correctly.*

IMPORTANT*After updating the software, perform a vehicle Scan Report and save a copy for further investigations*.

HW and SW CODES (ECM)

The following table shows the hardware (HW) and software (SW) codes, before and after reprogramming.

Alfa Giulia 2.0 T4 MAir 200 HP 4x2 (RWD) with EGR valve

Before programming, the control module must have the following data or later updates			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G470AA0A	0000
MM10JAHW232	00	G484AA9A	0000
MM10JAHW232	00	G484AA2A	0000
MM10JAHW232	00	G491AA5A	0000
MM10JAHW232	00	G491AA8A	0000
MM10JAHW232	00	G492AA0A	0000
MM10JAHW232	00	G494AA3A	0000
MM10JAHW232	00	G500AA6A	0000
MM10JAHW232	00	G500AA8A	0000
MM10JAHW232	00	G502AA4A	0000
MM10JAHW232	00	G503AA7A	0000
MM10JAHW232	00	G520AA8A	0000
MM10JAHW232	00	G520AA9A	0000
MM10JAHW232	00	G520AA2A	0000
After programming, the control module will have the following data or later update			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G543AA8A	0000

Alfa Giulia 2.0 T4 MAir 200 HP 4x2 (RWD) without EGR valve

Before programming, the control module must have the following data or later updates			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G520VA9A	0000
MM10JAHW232	00	G520VA2A	0000
MM10JAHW232	00	G543VA8A	0000
After programming, the control module will have the following data or later update			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G543VA3A	0000

Alfa Giulia 2.0 T4 MAir 280 HP 4x2 (RWD)

Before programming, the control module must have the following data or later updates			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G470BA0A	0000
MM10JAHW232	00	G484BA9A	0000
MM10JAHW232	00	G484BA2A	0000
MM10JAHW232	00	G491BA5A	0000
MM10JAHW232	00	G491BA6A	0000
MM10JAHW232	00	G491BA8A	0000
MM10JAHW232	00	G492BA0A	0000
MM10JAHW232	00	G494BA3A	0000
MM10JAHW232	00	G500BA6A	0000
MM10JAHW232	00	G500BA8A	0000
MM10JAHW232	00	G502BA4A	0000
MM10JAHW232	00	G503BA7A	0000
MM10JAHW232	00	G520BA8A	0000
MM10JAHW232	00	G520BA9A	0000
MM10JAHW232	00	G520BA2A	0000
After programming, the control module will have the following data or later update			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G543BA8A	0000

Alfa Giulia 2.0 T4 MAir 280 HP 4x2 (RWD) without OBD valve diagnostics

Before programming, the control module must have the following data or later updates			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G520RA1A	0000
MM10JAHW232	00	G520RA2A	0000
After programming, the control module will have the following data or later update			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G543RA8A	0000

Alfa Giulia 2.0 T4 MAir 280 HP 4x4 (AWD)

Before programming, the control module must have the following data or later updates			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G470WA0E	0000
MM10JAHW232	00	G484WA9E	0000
MM10JAHW232	00	G484WA2E	0000
MM10JAHW232	00	G491WA5E	0000
MM10JAHW232	00	G491WA6E	0000
MM10JAHW232	00	G491WA8E	0000
MM10JAHW232	00	G492WA8E	0000
MM10JAHW232	00	G492WA0E	0000
MM10JAHW232	00	G494WA3E	0000
MM10JAHW232	00	G500WA6E	0000
MM10JAHW232	00	G500WA8E	0000
MM10JAHW232	00	G502WA4E	0000
MM10JAHW232	00	G503WA7E	0000
MM10JAHW232	00	G520WA8E	0000
MM10JAHW232	00	G520WA9E	0000
MM10JAHW232	00	G520WA1E	0000
After programming, the control module will have the following data or later update			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G543WA8E	0000

Alfa Giulia 2.0 T4 MAir 280 HP 4x4 (AWD) without OBD valve diagnostics

Before programming, the control module must have the following data or later updates			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G520SA1E	0000
After programming, the control module will have the following data or later update			
HW number	**HW version**	**SW number**	**SW version**
MM10JAHW232	00	G543SA8E	0000

Alfa Stelvio 2.0 T4 MAir 200 HP 4x4 (AWD) with EGR valve

Before programming, the control module must have the following data or later updates			
HW number	**HW number**	**HW number**	**HW number**
MM10JAHW232	00	G470XB0A	0000
MM10JAHW232	00	G483XB7A	0000
MM10JAHW232	00	G484XB2A	0000
MM10JAHW232	00	G491XB7A	0000
MM10JAHW232	00	G491XB8A	0000
MM10JAHW232	00	G492XB0A	0000
MM10JAHW232	00	G492XB1A	0000
MM10JAHW232	00	G494XB3A	0000
MM10JAHW232	00	G500XB6A	0000
MM10JAHW232	00	G501XB7A	0000
MM10JAHW232	00	G501XB8A	0000
MM10JAHW232	00	G502XB4A	0000
MM10JAHW232	00	G503XB7A	0000
MM10JAHW232	00	G520XB8A	0000
MM10JAHW232	00	G520XB9A	0000
MM10JAHW232	00	G520XB2A	0000
After programming, the control module will have the following data or later update			
HW number	**HW number**	**HW number**	**HW number**
MM10JAHW232	00	G543XB8A	0000

Alfa Stelvio 2.0 T4 MAir 200 HP 4x4 (AWD) without EGR valve

Before programming, the control module must have the following data or later updates			
HW number	**HW number**	**HW number**	**HW number**
MM10JAHW232	00	G520YB8A	0000
MM10JAHW232	00	G510YB6A	0000
MM10JAHW232	00	G502YB4A	0000
MM10JAHW232	00	G502YB3A	0000
MM10JAHW232	00	G501YB1A	0000
MM10JAHW232	00	G501YB8A	0000
MM10JAHW232	00	G501YB7A	0000
MM10JAHW232	00	G500YB5A	0000
MM10JAHW232	00	G500YB4A	0000
MM10JAHW232	00	G494YB3A	0000
MM10JAHW232	00	G492YB1A	0000
MM10JAHW232	00	G492YB0A	0000
MM10JAHW232	00	G491YB8A	0000
MM10JAHW232	00	G491YB7A	0000
MM10JAHW232	00	G491YB6A	0000
MM10JAHW232	00	G520YB9A	0000
MM10JAHW232	00	G520YB2A	0000
MM10JAHW232	00	G543YB8A	0000
After programming, the control module will have the following data or later update			
HW number	**HW number**	**HW number**	**HW number**
MM10JAHW232	00	G543YB3A	0000

Alfa Stelvio 2.0 T4 MAir 280 HP 4x4 (AWD) with EGR valve

Before programming, the control module must have the following data or later updates			
HW number	HW number	HW number	HW number
MM10JAHW232	00	G470WB0E	0000
MM10JAHW232	00	G483WB7E	0000
MM10JAHW232	00	G484WB2E	0000
MM10JAHW232	00	G491WB7E	0000
MM10JAHW232	00	G491WB8E	0000
MM10JAHW232	00	G492WB0E	0000
MM10JAHW232	00	G492WB1E	0000
MM10JAHW232	00	G494WB3E	0000
MM10JAHW232	00	G500WB6E	0000
MM10JAHW232	00	G501WB7E	0000
MM10JAHW232	00	G501WB8E	0000
MM10JAHW232	00	G502WB4E	0000
MM10JAHW232	00	G503WB7E	0000
MM10JAHW232	00	G520WB8E	0000
MM10JAHW232	00	G520WB9E	0000
MM10JAHW232	00	G520WB2E	0000
After programming, the control module will have the following data or later update			
HW number	HW number	HW number	HW number
MM10JAHW232	00	G543WB8E	0000

Alfa Stelvio 2.0 T4 MAir 280 HP 4x4 (AWD) without OBD diagnostic valve

Before programming, the control module must have the following data or later updates			
HW number	HW number	HW number	HW number
MM10JAHW232	00	G520SB1E	0000
MM10JAHW232	00	G520SB2E	0000
After programming, the control module will have the following data or later update			
HW number	HW number	HW number	HW number
MM10JAHW232	00	G543SB8E	0000