12.04.2021

Technical Service Handbook **ElsaPro transaction no.:**

DMS order no.:

VIN: **Model year:**

Sales code: **Model description:**

Engine code: **Gearbox code:**

Registration number: **Final drive code:**

Username: **Service advisor name:**

Basic filtering of vehicle description

Brand	Model year	Sales model	Engine code	Gearbox code	Final drive code
S	2021	KM% - ---	%	%	%

VIN ranges	Production date
VSS___KM_MR000226 - 007184	-

Service Campaign 90Q7 **Transaction No.: 2062109/2**
Q-Service Packet Release date 30-Mar-2021

Repair instructions

Notes

Technical background

Various Control Units Affected

In some CUPRA Formentor vehicles within the range of specified VINs, as a quality improvement, work must be carried out on several control units.

Remedy

Various control units must be reprogrammed in affected vehicles.

Not all vehicles are affected by this Service Campaign.

All affected vehicles must be repaired during a visit to the workshop.

Before carrying out any repairs, check with the "**Service Campaigns**" system in ElsaPro or Online Service whether the vehicle is affected by this Campaign and other Campaigns.

Customer notification

Contact the customers of the affected vehicles by telephone.

There is no plan to inform clients in writing.

Make sure that all the vehicles affected are checked and repaired once the vehicle is taken to the workshop.

If this Campaign has not been carried out during a visit to the workshop, please inform the user about this immediately.

We would also ask you to inform your new and used vehicle department immediately, so that these vehicles can be inspected and repaired, instead of waiting for the moment of their sale.

Warranty accounting instructions

End of the service campaign	**The service campaign is in effect until 31.03.2026 , and will be closed on this date.**
Service ID	**90Q7**
Anomaly code	**0066**
Code of part removed	**000**
Repair code	According to Warranty Handbook 1 = Labour causing the anomaly 2 = Part causing the incident
Claim type	7-10 = Service Campaign performed on registered vehicle 7-90 = Service Campaign performed on unregistered vehicle
Criteria	**See "Service Campaigns" in ElsaPro or Service Online** **01 =** Reprogramme the MIB control unit **02 =** Reprogramme and configure control units (CAN) **03 =** Reprogramme control units (DoIP)

Warning

The time units indicated can vary in the work item catalogue in ElsaPro.

Criteria 01-03	**27 06 89 99** Connect the battery charger	**10 TUs**
Criterion 01	**91 96 25 99** Reprogramme the MIB control unit	**Max. 50 TUs**
Criterion 02	**01 50 26 99** Reprogramme and configure control units (CAN)	**According to protocol max. 70 TUs**
Criterion 03	**97 10 26 99** Reprogramme control units (DoIP)	**According to protocol max. 115 TUs**
*** the task "connect battery charger" can only be settled once.**		

For other Campaigns to take into account: see "Service Campaigns" in ElsaPro or Service Online.

Note:

Only the various control units are reprogrammed under this Service Campaign. In the attached table ('SW_90Q7_v*') you can check the updates that are carried out, not all vehicles update all control units. Do not carry out updates on software for other control units.

Work resulting from fault codes or indications of the diagnosis equipment represents repair measures and must not be invoiced with this Service Campaign.

After the reprogramming, it is not necessary to generate the Readiness code.

Genuine parts

Parts supply

It is not necessary to supply the parts for this Service Campaign.

Parts despatch control

It is not necessary to return the parts for this Service Campaign.

Notes

Repair instructions

Technical background

Various Control Units Affected

In some CUPRA Formentor vehicles within the range of specified VINs, as a quality improvement, work must be carried out on several control units.

Check

If the vehicle does not appear as reviewed in the "Vehicle-specific information" (in Service Online or ElsaPro), check if **"90Q7 performed"** has been written in the Digital Maintenance Plan or in the Maintenance Plan. If the note does not exist, **carry out the appropriate tasks according to the Work Instructions.**

Control

Verification of the tasks (criteria) – See ElsaPro or Online Service / Service Campaigns

Criterion 01	Reprogramme the MIB control unit
Criterion 02	Reprogramme and configure control units (CAN)
Criterion 03	Reprogramme control units (DoIP)

Genuine parts

Tools

Consult the special tools, testing and measuring equipment and auxiliary devices necessary in the Repair Manual.

Work

Note:

Follow the order established in criteria 01, 02, 03.

Criteria 01 - 03 Connect the battery charger and reprogramme the Control Units

Requirements for reprogramming the different Control Units:

ODIS Service	Unit updated to the latest available version **(at least ODIS 7.1.1 with data version 2.20.2)**

- The closed-circuit voltage of the vehicle must be at least 12.5 V during the reprogramming process. Connect the battery of the vehicle to an external power supply. More information to this respect is available in “Precision Maintenance”.
- During reprogramming, disconnect all unnecessary power consumers (ventilation, seat heating, interior lighting).
- Make sure that, during the reprogramming of the different control units, no electromagnetic radiation source (mobile or DECT cordless phones) is operated directly in or around the vehicle.

Reprogramme affected control unit

Connect the online diagnostics equipment to the vehicle diagnosis connection and to the workshop server.

A flash update is permitted, both via USB cable and via WiFi if the signal is strong enough.

If the WiFi signal is insufficient, a note displays and the USB cable must be used.

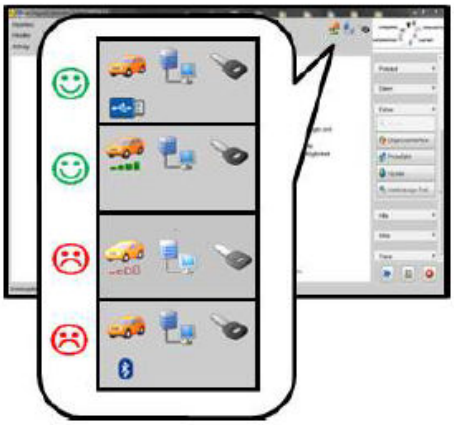
The Bluetooth function is still not permitted.

In order to connect the USB cable, remove the radiocommunication head from the diagnostics terminal!

If the USB cable is connected while the radiocommunication head is connected, the communication will take place via Bluetooth.

If a diagnosis radiocommunications head is already connected, observe the steps below in the sequence specified:

- Switch the engine on.
- Place the lever in position P (only with automatic gearbox / DSG).
- Turn on the hazard warning lights.



Note:

Before starting the reprogramming, always turn the ignition off and on.

Remember that in vehicles equipped with a “Keyless Access (KESSY) automatic locking and starting system”, the ignition key must be inserted into its housing:

Note:

Before starting the reprogramming, activate the hazard warning lights to ensure CAN communication at all times

Criterion 01 – Reprogramme the control unit via MIB

Warning:

See the SEAT Repair Manual to carry out the procedures correctly and for the use and reference of the tools and equipment to use.

Premises for applying the repair process:

A) The unit must have stable operation.

B) Inform the customer in advance that when carrying out the software update for the radio and navigation system, the following circumstances will occur:

• The user settings will be reset to the default settings.

• All stored radio stations and telephone connections will be lost.

Repair process:

Warning:

Do not place an order with the original spare parts department using the part reference mentioned below, as during the process described below in this service campaign, it will be you (the SEAT service) that creates the required USB.

Update the software of the electronics control unit. To do so, create the USB using the SD Creator program, with one of the following Part and SW Codes, depending on the MIB original part reference.

List of USB part codes, infotainment equipment references and software version:

USB Part Code	Original Part Reference	Software Version (old)	Software Version (new)
5FA 919 360 F	5FA035862B 5FA035862C	1664 1666	1672

Warning :

The software versions indicated in the attached table correspond to the current versions on the launch date of this service campaign. There may be some discrepancies due to possible later updates. The version indicated in the column, "Software version", or later must be used.

In this case, to update the software, it is the dealer that must create the corresponding USB (using SD Creator). To do so, carefully proceed as described below:

A USB Type-C:

• 8 GB or more of capacity (memory) is recommended.

• Standard temperature range: 0-70º Celsius.

• Identify the USB with the corresponding reference:

--5FA 919 360 F with SW 1672 for Original Part References 5FA 035 862 B and 5FA 035 862 C

SD Creator and the equipment software will be available on the mirrorserver. The “Help” menu option in SD Creator contains detailed instructions regarding its use.

To install SD Creator, use the following path:

– ⇒ http://mirrorserver/dav/BTAC/Trade-Retail/Tools/SD-Creator/setup_V(latest available version).exe

Warning:

Where it indicates “mirrorserver”, enter the BTAC Box IP address of your SEAT service installation.

– Firstly, save the executable file (setup V(latest available version).exe) locally on the computer before starting the installation.

In order to connect to the BTAC Box, mirrorserver appears as the standard network address. If the connection fails, check whether another name has been assigned for the standard network address. If so, assign a different mirrorserver name in the above link. It may be necessary to enter the BTAC Box IP address of your SEAT service installation.

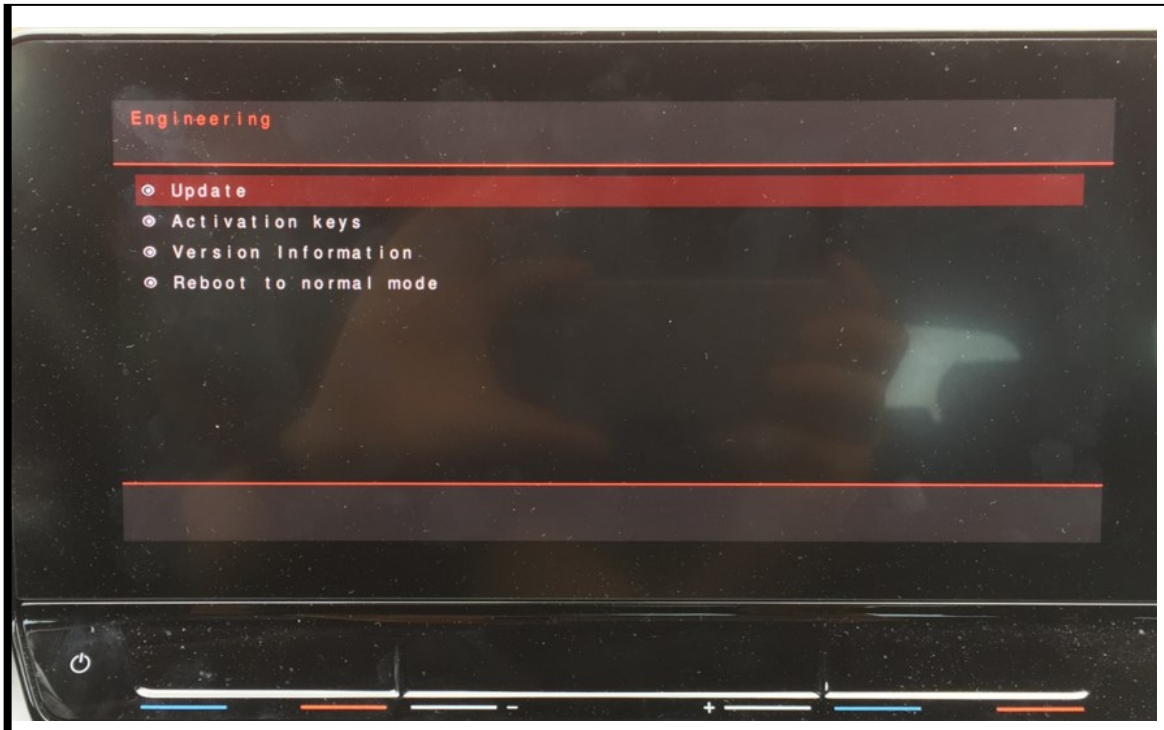
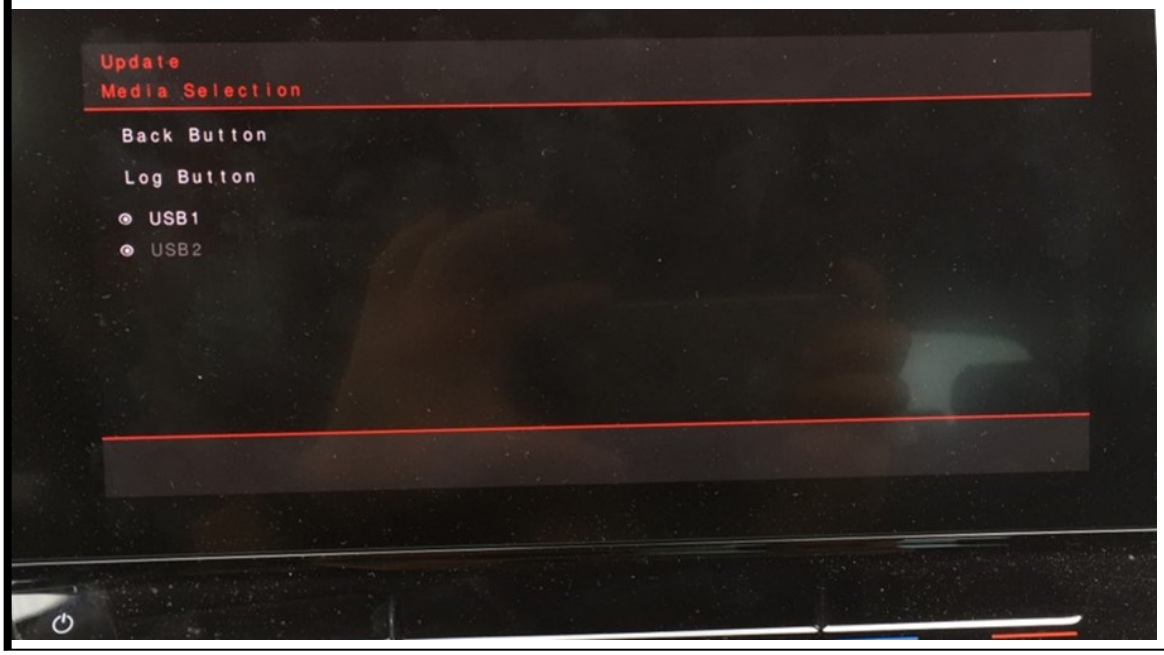
It is not permitted to copy the self-generated USB. If you would like to have various copies, use the “SD Creator” tool again to generate the new USB. The “SD Creator” tool checks internally for the applicability of the USB. Software updates performed with a copied USB may damage the equipment (due to the interruption of the software update).

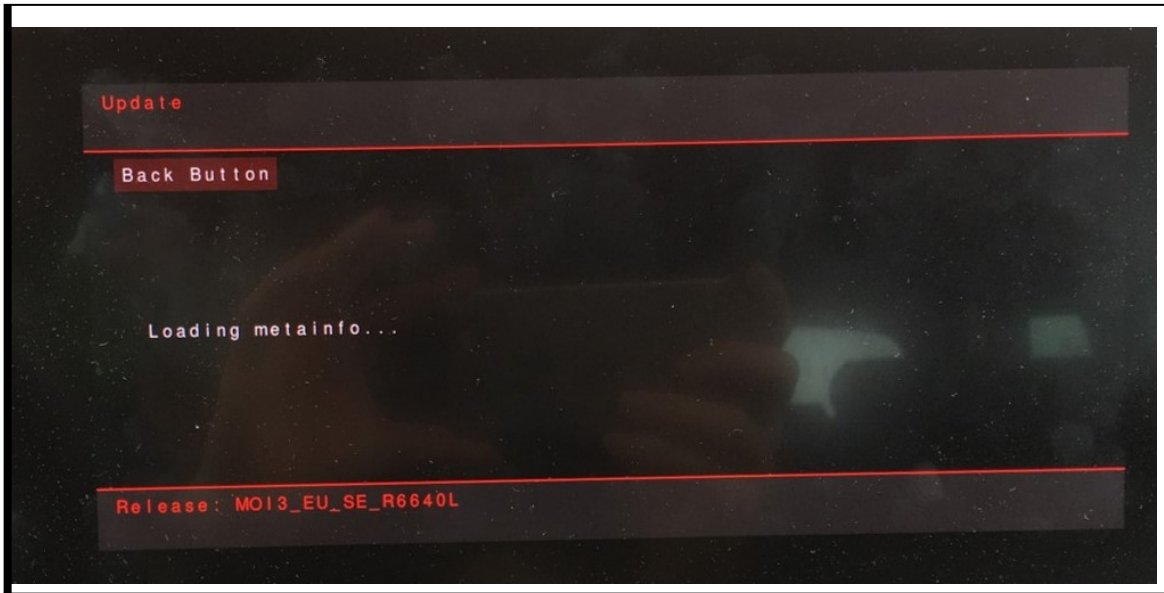
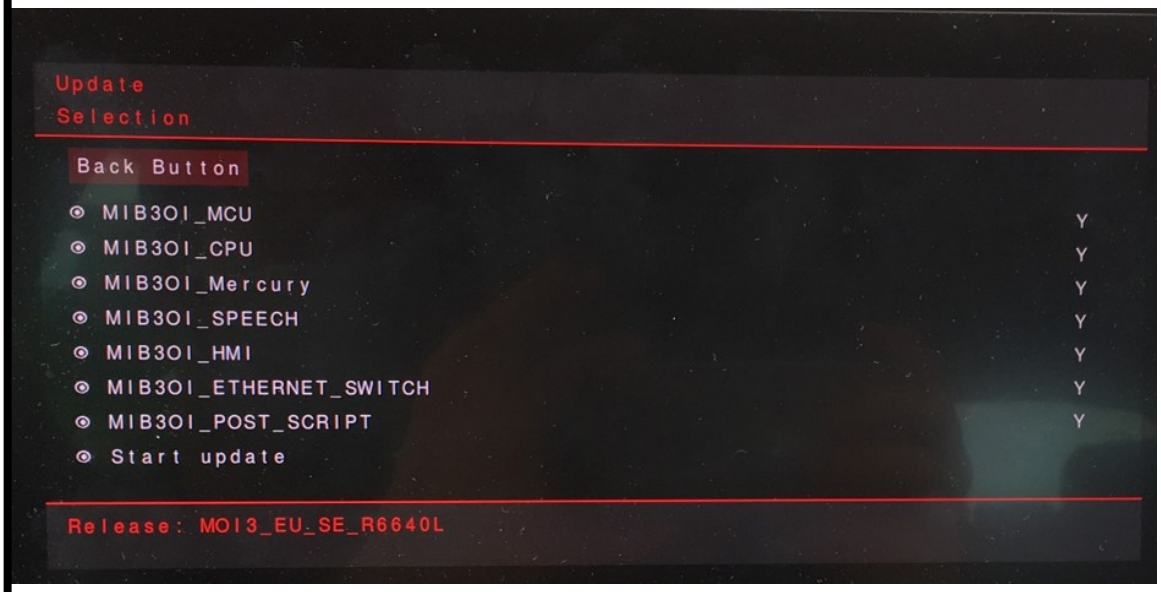
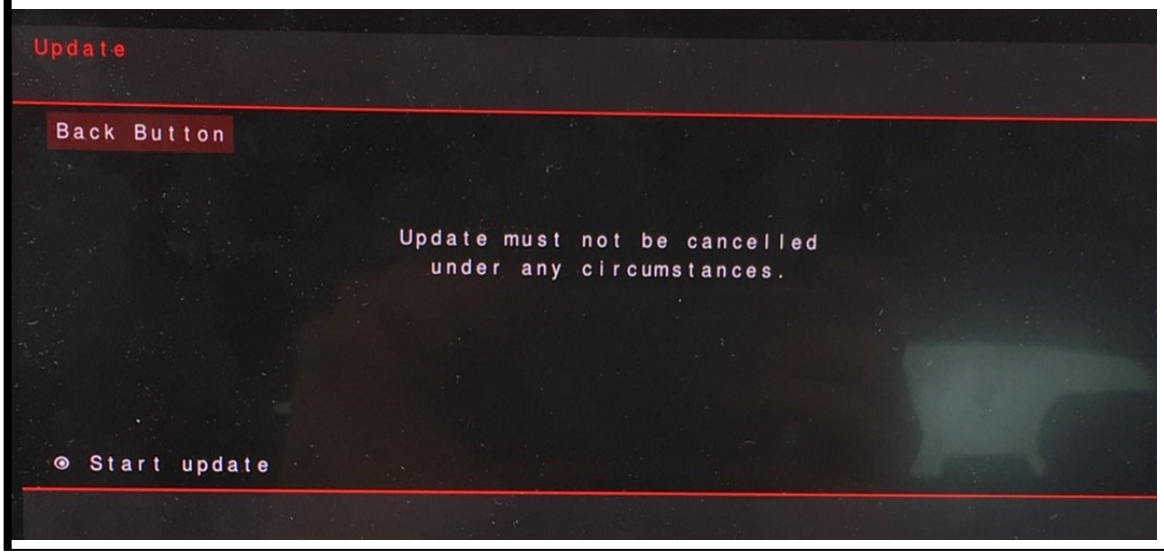
Software update procedure:

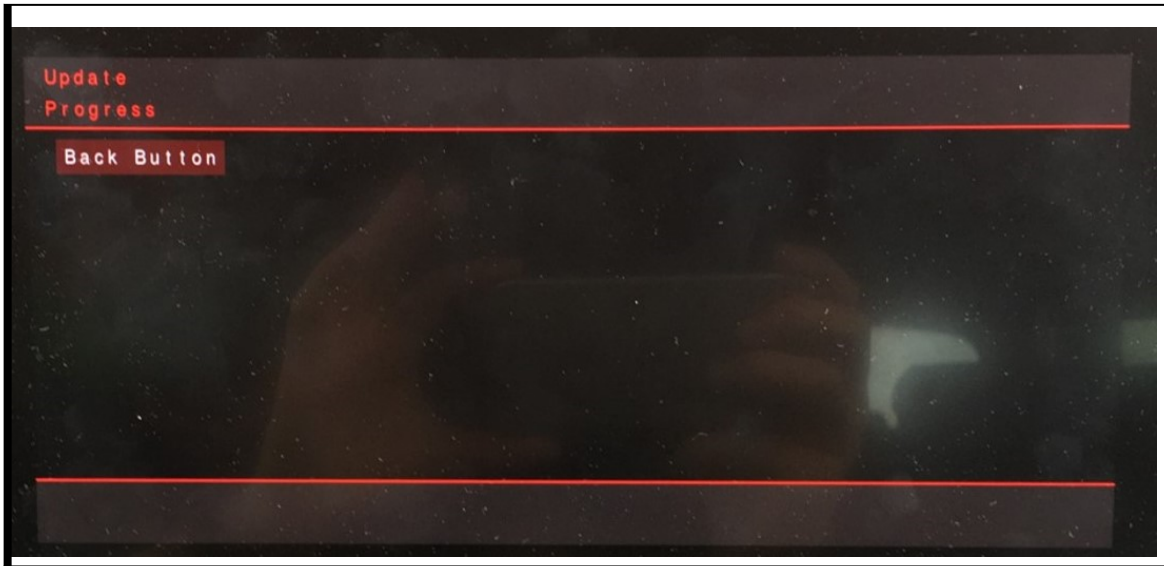
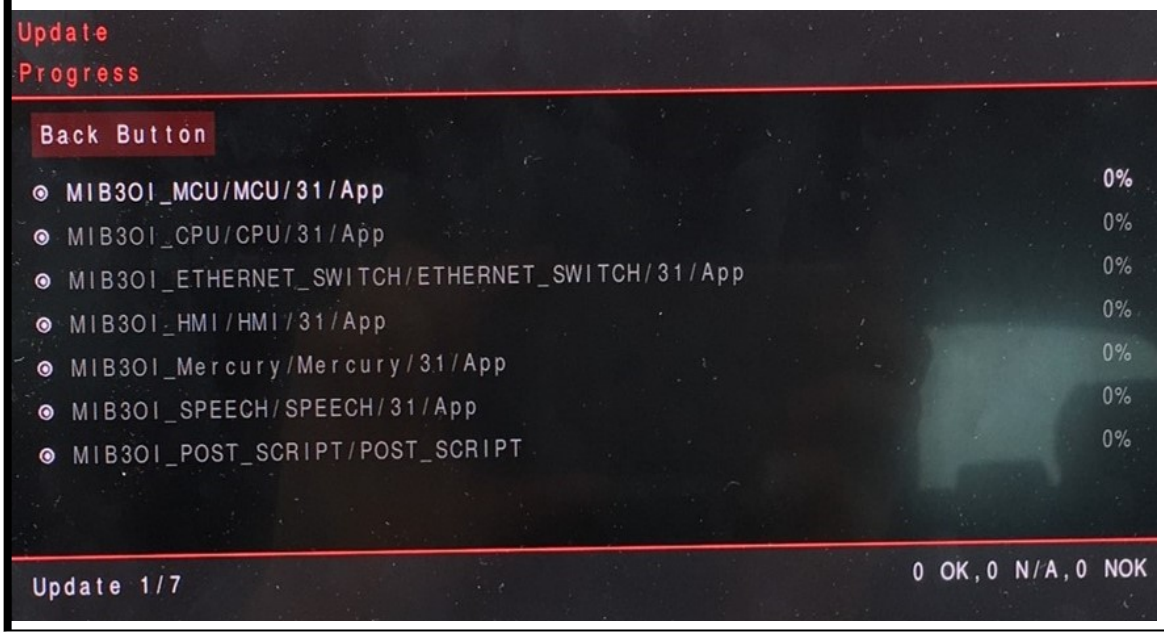
Note:

If you are experiencing problems before doing the flash update of the MIB and it freezes on the welcome screen, disconnect a battery terminal and reconnect it.

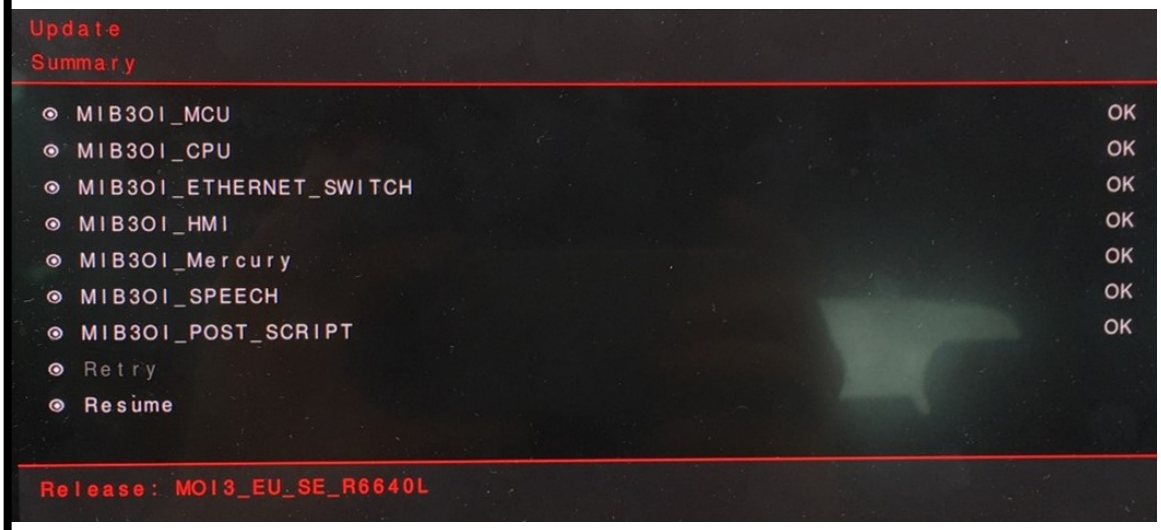
	Firstly, press and hold the Main Menu key for 5 seconds

	Select the Update option on the screen.
	Then insert the USB and select it on the screen. If it does not detect the USB, create it again in SD creator.

	Wait while the USB information loads. This may take 3 or 4 minutes, wait until the next screen appears.
	This screen shows all the MIB elements that will be updated. To start the update, press Start update.
	Confirm Start update again on the next screen

	Wait for the update to finish.
	As information, the progress of the update of the various MIB elements will be shown.

This screen may be displayed during the update.



Finally, press Resume to exit.

At the end, the screen will display a message confirming it has been flashed successfully.

After the update, run a fault deletion.

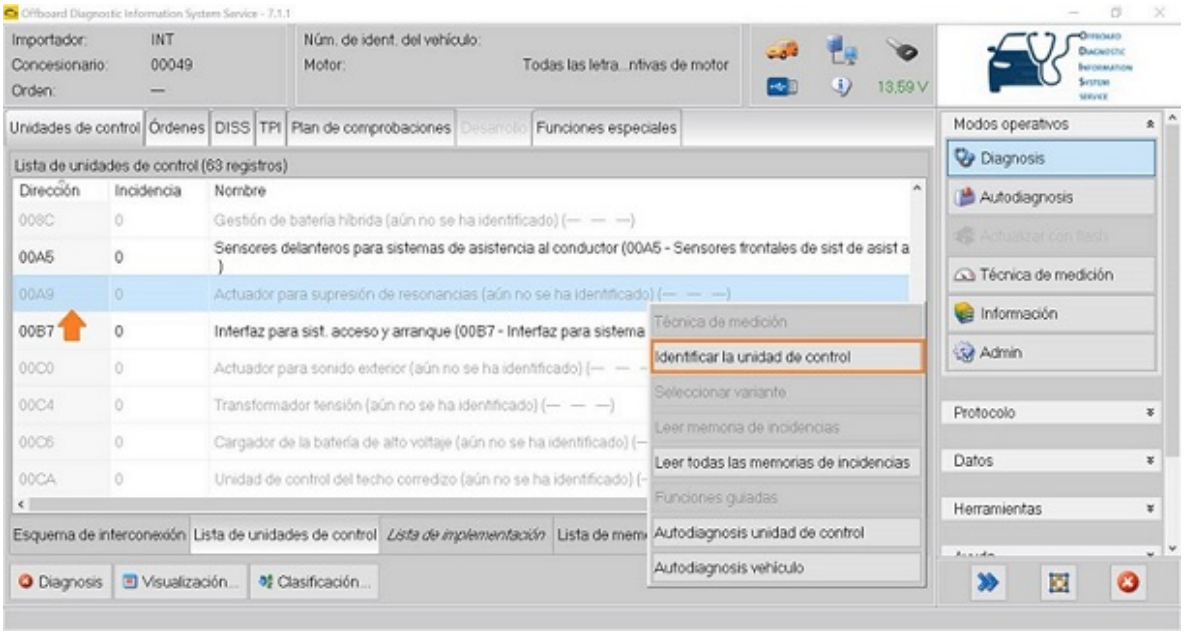
Special functions>>Erase fault memory - Complete system

Criterion 02 – Reprogramme and configure the various control units via CAN

Important

Before starting with reprogramming/configuration, the SoundAktor control unit (actuator structure-borne sound) must be manually recognised, following the instructions below:

Right-click on the unit “00A9” and select "Identify Control Unit" as shown in the image.



Reprogramme the affected control units using the ODIS Service diagnosis system, at the following path:

Software version management >> Adapting software >> 1. Software update via measure code

Use campaign code " **3506** ".

Criterion 03 Reprogramme the control units via DoIP:

Note:

The reprogramming of the control units of criterion 03 is performed via DoIP!

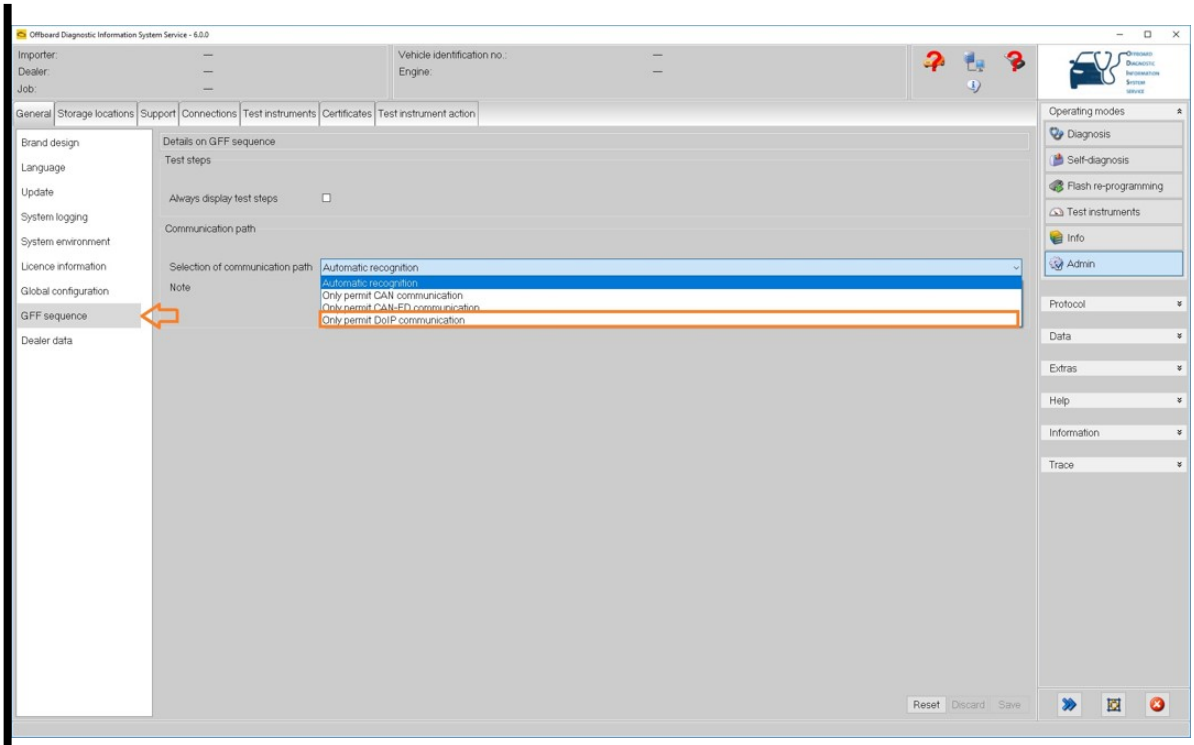
Before starting the reprogramming, you must close the previous ODIS session, close the application and start a new session!

Before starting the diagnosis, the DoIP communication must be activated in the diagnostics equipment

To perform this update, it is necessary to use the VAS 6154 or VAS 6154 A tool.

Activate DoIP communication on the diagnostics equipment.

From ODIS version 7.1.1:



1. Close all diagnosis applications. Select **“Admin”** mode.
2. In the **“General”** tab, select the **“GFF sequence”** function.
3. In **"Selection of communication path"**, select the **"Only permit DoIP communication"** option.
4. **Save** and confirm this entry.

Check that the terminal’s red light is on to ensure DoIP communication, as shown in the image below.

If the “Information warning light” does not light up, carry out the work described in the “Activate DoIP communication on the diagnostics equipment” point.

Reprogramme the affected control unit using the ODIS Service diagnosis system, at the following path:

Software version management >> Adapting software >> 1. Software update via measure code

Use campaign code “ **3507** ”.

After completing criteria 02 and 03, erase faults

After the updates, run a fault deletion.

Special functions>>Erase fault memory - Complete system

If necessary, follow test plans proposed by ODIS.

Important information on problems during the reprogramming:

Problem	Corrective measure

After updating the Gateway Control unit, **faults are generated in static/active state, such as U163600 (parking coordinator not started)**).	Perform a standby of the data bus in the vehicle. To do this, close all the doors and covers for at least 20 minutes. **Important:** In this case, terminal 30 **DOES NOT** have the desired effect.
Execution of the program is stopped for more than 10 minutes with “Delete event memory”.	End the ODIS program in the task manager (Ctrl+Alt +Del). Then, in all cases, start a new diagnosis and end the application to automatically delete the event memory entries.
In the event that the headlights registers the fault “C107E54: No basic setting”.	Carry out a basic setting of the headlights using the ODIS service diagnosis system through the following route: Systems with diagnostic capability >> 0009 - Electronic central electrics >> 0009 - Functions, Headlight range control >> 0009 - Basic setting Headlight range control
If a travel assist/front assist warning lights up on the instrument panel (Function not available at this time).	Reset the Gateway 0019 functions via the following route: Software version management >> Function clearing system (FES) >> 2. Restore function >> 0019 After restoring the functions, turn the ignition off and on.

Identification

Vehicles with Digital Maintenance Plan:

Once **all** the required work has been carried out (all criteria), write down “**90Q7 performed**” in <workshop note> in the text field in the Digital Maintenance Plan. Then print the full receipt for the service work and attach it to the **owner's manual.**

Vehicles with Maintenance Plan:

Once **all** the required work has been carried out (all criteria), write down **"90Q7 date/stamp"** in the "Space for workshop notes" on the Maintenance Plan.

Repair instructions Notes