⚠ Connection offline

Notes

▼ **Repair instructions**

Technical background

Control Unit Affected: Various Control Units

In some Leon KL MHEV vehicles within the stated VIN range, a software update of various control units is carried out. This measure improves the battery charge and corrects errors in the MHEV system.

ℹ**Important:**

Check in advance whether the service campaign 90P8 and 90Q8 are still open on the affected vehicles.

Should the service campaigns 90P8 and / or 90Q8 still be open on the affected vehicles they are to be completed before implementing service campaign 90T4.

If the campaigns 90P8 and 90Q8 are both still open, carry them out in order of publication.

Remedy

The software of various Control Units must be reprogrammed in the 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 Campaign.

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.

Note:

• *Notify the customer that it is necessary to update the engine control unit. Ask the customer whether chip-tuning work has been carried out on the engine control unit in his/her vehicle.*

- *Warn the customer that updating the engine control unit can cancel the chip-tuning or could even damage the engine control unit. Ask the customer to clarify with the workshop that carried out the tuning whether the software update is posible.*

> - *Warn the customer that, if the engine control unit has been modified (chip tuning) in a manner that is not authorised by the Brand, neither SEAT nor its Official Services take any responsibility for damage that may occur due to updating software, nor for damage caused through failing to carry out an update. Make a note of this warning in the repair order before it is signed by the Customer.*
>
> - *If the customers rejects the execution of the Campaign due to chip-tuning, please send the form "Vehicle manual deletion" together with the "Notification Form for vehicles with chip-tuning" to the Campaign Coordination of the importer.*

Warranty accounting instructions

End of the service campaign	**The service campaign is in effect until 31.03.2027 and will be closed on this date.**
Service ID	**90T4**
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 = Connect the battery charger and reprogramme various control units

Warning

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

Criterion 01	**90 35 25 99** Connect the battery charger and reprogram control units	**80 TU**

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

Note:

Only the affected control units are reprogrammed as part of this Service Campaign. In the diagnostic session do not carry out other operations not related to this Service Campaign.

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.

Repair instructions ▲ Notes

Technical background

Control Unit Affected: Various Control Units

In some Leon KL MHEV vehicles within the stated VIN range, a software update of various control units is carried out. This measure improves the battery charge and corrects errors in the MHEV system.

> **ℹ️ Important:**
>
> Check in advance whether the service campaign 90P8 and 90Q8 are still open on the affected vehicles.
>
> Should the service campaigns 90P8 and / or 90Q8 still be open on the affected vehicles they are to be completed before implementing service campaign 90T4.
>
> **If the campaigns 90P8 and 90Q8 are both still open, carry them out in order of publication.**

Check

If the vehicle does not appear as reviewed in the "Vehicle-specific information" (in Service Online or ElsaPro), check if **"90T4 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	Connect the battery charger and reprogramme various control units

Genuine parts

Tools

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

Work

Criterion 01: Connect the battery charger and reprogramme various control units

> ℹ️ **NOTE:**
>
> Before starting the reprogramming always perform an ignition cycle.
>
> Please note that on vehicles with a "keyless access locking and starting system" and an ignition lock, the ignition key must be inserted into its accommodation.

Requirements for reprogramming the affected control unit:

ODIS-Service	Equipment updated to the latest available version

- 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.

- To reprogramme (flash update) control units, we recommend using the diagnosis interface VAS 6154 (WLAN radiocommunication head) exclusively in USB mode.

- If installed, remove the hotfix file from the diagnosis equipment, as otherwise entries may be created in the event memory during use (only if necessary).

Reprogramme affected control unit

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

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

When using a diagnostic tool perform the following steps in the specified sequence:

- Switch on ignition

- Put the selector lever in position P (automatic/DSG only)

- **Important:** release parking brake

- Switch on the hazard warning lamps

- The driver door must be open during the reprogramming

ODIS Service:

The software for the High-voltage battery Control Unit is updated online using the ODIS Service diagnosis system, at the following path:

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

Use campaign code "**35D8**".

Note:

If the programme does not offer a software update, the software is at its highest level. It is not necessary to carry out any other work. Proceed directly to the chapter "Marking" of this document.

Important:

After a successful software update and before closing the application, a bus silence must be implemented. Execute the following guided function in the same reprogramming diagnosis session:

Leon/Formentor >> MY >> … >> Systems with diagnostic capability >> 0019 - Data bus diagnostic interface >> 0019 - Data bus diagnostic interface, Functions >> 0019 - Establish bus sleep mode

Then end the application, the event entries are automatically deleted.

Important information on problems during the reprogramming:

Problem	Corrective measure
Full Link's functions are not available.	Reset the Gateway 0019 functions via the following route:
Loss of Navigation Cartography	Software version management >> Function clearing system (FES) >> 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 **"90T4 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 **"90T4 date/stamp"** in the "Space for workshop notes" on the Maintenance Plan.