

**LED Matrix Headlights – Glacier Ice Blue (8JU)/Shaded (8IV)**

Restrictions: Released **only** for vehicles with Matrix LED main headlights (8IU).  
**Not** released for vehicles with LED main headlights (8IT).

Model Year: **As of 2024**

Cause: **Installation**



Figure 1

Notes: In vehicles with matrix LED main headlights (8IU), a matrix LED main headlight can be installed – glacier ice blue (8JU) or shaded optics (8IV).⇒ Figure 1

The function and shape are the same as the LED main headlights with HD matrix beam. The differentiated look contains:

- Matrix LED main headlights in a unique design
- Interior components in a differentiated look, partially in glacier ice blue or black

**Information**

**ONLY** for markets in which new vehicles are certified in accordance with the Worldwide Harmonized Light Vehicles Test Procedure (WLTP): Installation of components **BEFORE** the date of first registration of the vehicle is not permitted.

**Background:**

Technical modifications (additions/conversions) between delivery (reference point for the creation of the Certificate of Conformity (CoC document)) and the time of first registration can jeopardize the consistency between the CoC document and the actual vehicle configuration required by the WLTP.

**Information**

Please pass all this information on to the customer.

Also give the customer a copy of the first pages of these Installation and Conversion Instructions, including the legal regulations.

## Parts Info:

**Main headlights (HSW) matrix - shaded (8IV)****95C.044.900.A**

⇒ HSW Matrix PDLS+ shaded –SAE–, set

**Main noteWerfer (HSW) matrix - glacier ice blue (8JU)****95C.044.900.C**

⇒ HSW Matrix PDLS+ glacier ice blue –SAE–, set

## Parts List:

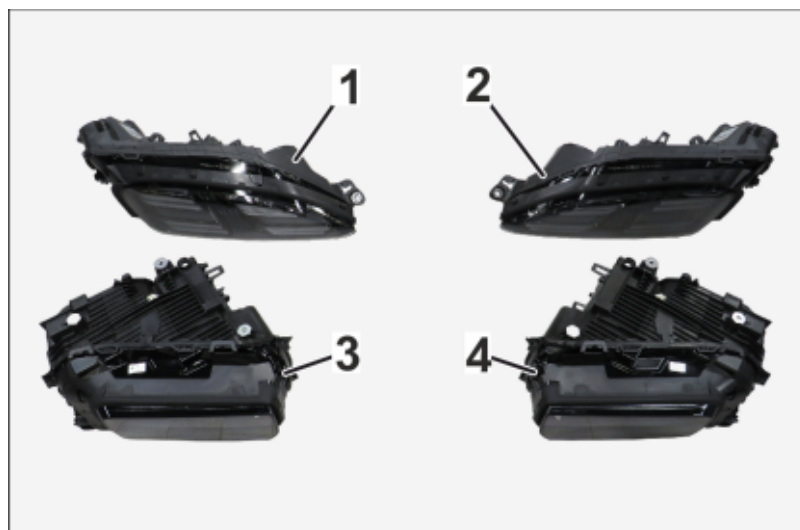


Figure 2

95C.941.773 <sup>1</sup>

1 x Shaded LED headlights (8IV), top left (not shown)

95C.941.774 <sup>1</sup>

1 x Shaded LED headlights (8IV), top right (not shown)

95C.941.030 <sup>2</sup>	1 x	LED headlights in glacier ice blue (8JU), top right ⇒ <i>Figure 2 -1-</i>
95C.941.029 <sup>2</sup>	1 x	LED headlights in glacier ice blue (8JU), top left ⇒ <i>Figure 2 -2-</i>
95C.941.753.B <sup>4</sup>	1 x	LED matrix HSW, SAE bottom left (not shown)
95C.941.754.B <sup>4</sup>	1 x	LED matrix HSW, SAE at bottom right (not shown)

- 1 included in set 95C.044.900 & 95C.044.900.A.
- 2 included in set 95C.044.900.B & 95C.044.900.C.
- 3 included in set 95C.044.900 & 9 & 5C.044.900.B.
- 4 included in set 95C.044.900.A & 95C.044.900.C.

Tools: **P90999 - P90999 - PIWIS Tester 4**

Flashlight

- Assembly:
- 1 Preparatory work
    - 1.1 Drive the vehicle onto a vehicle lift. ⇒ *Workshop Manual '4X10IN Vehicle raising information'*
    - 1.2 Connect a battery charger. ⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*
    - 1.3 Remove the lock carrier cover (cover for fender flange). ⇒ *Workshop Manual '70391901 Removing and installing lock carrier cover (cover for fender flanges)'*
    - 1.4 Remove the front trim. ⇒ *Workshop Manual '700219 Removing and installing front trim'*
    - 1.5 Remove the cover on lock carrier (front). ⇒ *Workshop Manual '70391900 Remove and install cover on lock carrier (front)'*
    - 1.6 Remove front wheels. ⇒ *Workshop Manual '440519 Removing and installing wheel'*
    - 1.7 Remove front wheel housing liners. ⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*
  - 2 Converting headlights (for further information, see also: ⇒ *Workshop Manual '9415IN headlight variants and Information components'*)
    - 2.1 Remove the auxiliary headlights. ⇒ *Workshop Manual '947119 Removing and installing premium auxiliary headlights'*
    - 2.2 Convert control unit for auxiliary headlights. ⇒ *Workshop Manual '947119 Removing and installing control unit auxiliary headlight (J1018)'*
    - 2.3 Remove the headlight. ⇒ *Workshop Manual '941519 Removing and installing headlights (E1)'*
    - 2.4 Convert headlight control unit. ⇒ *Workshop Manual '941619 Removing and installing central headlight control unit'*

- 2.5 Install the headlight. ⇒ *Workshop Manual '941519 Removing and installing headlights (E1)'*
  - 2.6 Install the auxiliary headlights. ⇒ *Workshop Manual '947119 Removing and installing premium auxiliary headlights'*
  - 2.7 Install the lock carrier cover (fender flange cover). ⇒ *Workshop Manual '70391901 Removing and installing lock carrier cover (cover for fender flanges)'*
- 3 Subsequent work
- 3.1 Install front wheel housing liners. ⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*
  - 3.2 Install front wheels. ⇒ *Workshop Manual '440519 Removing and installing wheel'*
  - 3.3 Install the cover on lock carrier (front). ⇒ *Workshop Manual '70391900 Remove and install cover on lock carrier (front)'*
  - 3.4 Install the front trim. ⇒ *Workshop Manual '700219 Removing and installing front trim'*

**NOTICE****Sitting inside the vehicle during the update**

- **Update cancelled by automatic ignition activation**
- ⇒ **Avoid sitting inside the vehicle during the update.**

Coding:

**Information****Vehicle update – general information**

The entire vehicle network will be checked for a necessary update or computed to ensure fault-free functioning of the vehicle. For this purpose, the following preparations are to be made:

- Latest release on PIWIS Tester 4 and PiUS available
- Vehicle is fully built up
- VCI and PIWIS Tester 4 must be connected to each other via workshop Wi-Fi
- The user must be logged in to the PIWIS Tester 4 in the PPN
- Vehicle must be supported with an external charger
- Seat heating and seat ventilation are not active
- Place the original hand-held transmitter in the emergency start tray (see Workshop Manual)

The vehicle performs the update independently. The current status can be retrieved on the diagnostic tester or on the front display and control panel (R238) under Messages (RPC+). During the update, all displays in the vehicle (instrument cluster, central display and passenger display) are occasionally switched off. The programming process is still ongoing at these times. During the update, a buzzing of the acoustic simulator will sound several times. This noise is normal and indicates an ongoing update of the main control unit for the drive and chassis (HCP1).

- 4 Observe preconditions for control unit programming  
*Basic instructions and procedure for control unit programming using the PIWIS Tester Information'*

## NOTICE

**The specified update process was not followed**

- **Update cancellation**
  - **Destruction of control units**
- ⇒ **Observe and follow the procedures displayed for the update and instructions for the PIWIS Tester**
- ⇒ **Do not replace ignition without instructions from PIWIS Tester**
- ⇒ **Repeat the programming only if a failed update is displayed on the PIWIS Tester**



### Information

An **active** Internet connection with the PIWIS Tester must be ensured.

The technician **must** log in to PPN with the PIWIS tester.

**The PIWIS Tester must not be charged using the cigarette lighter.**

## NOTICE

**Control unit programming will be aborted if the Wi-Fi connection is unstable.**

- **An unstable Wi-Fi connection can interrupt communication between the PIWIS Tester and the vehicle communication module (VCI). As a result, control unit programming may be aborted.**
- ⇒ **During control unit programming, always connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable.**

4.1 Start diagnostics.

4.1.1 **F7** select additional menu.

4.1.2 Confirm the displayed query for creating a vehicle analysis log (VAL) with "Yes".

4.1.3 Cancel the automatic integration test by pressing **F11** .

4.2 Enter the new vehicle equipment in the vehicle data using "PIWIS Online"

4.2.1 Select the function "Maintenance of vehicle data with PIWIS ONLINE" in the "Model series-specific tests and campaigns" menu item.

A message appears informing you that "Actual" (vehicle) and "Target" (PIWIS Online) data will be compared.

Press **F12** to continue.

4.2.2 Confirm the message "The vehicle data was compared with PIWIS Online. Significant differences were found" with **F12** .

- 4.2.3 Look for the option "HEADLIGHTS" in the "Family" column.  
Select the value "8JU - LED-HSW PDL+ COLOR OPTION1/8IV - LED-HSW PDL+ COLOUR OPTION2" from the drop-down menu. Press **F12** to continue
- 4.2.4 A table containing the coding value and the columns "new value" and "old value" is displayed in the overview. Press **F8** to continue.
- 4.2.5 Vehicle data is written and transferred to the vehicle.
- 4.2.6 The vehicle data log can be created with **F14**. Check that the selected vehicle equipment has been entered and close the log.
- 4.3 Program and code control units (campaign)
- 4.3.1 Press **F3** to start the integration test in the control unit overview.
- 4.3.2 After the necessary update has been calculated, confirm the table of the listed control units, which must be coded/programmed, by pressing **F8**.
- 4.3.3 Wait for information "The update was successful." Wait and check the coding status of the control units in the displayed table.  
Continue by pressing **F11** to return to the control unit overview.
- 4.3.4 After the software update is complete, perform a vehicle bus idle.
- Go back to the control unit overview.
  - End vehicle's readiness for operation (ignition off).
  - Wait for 5 minutes with the driver door open.
  - Restore readiness for operation (ignition on).
- Read out the fault memory of all systems, work through any existing faults and erase the fault memory.
- 4.4 Create a vehicle analysis log (VAL) in the "Overview" menu item.
- 4.5 Adjust the headlight. ⇒ *Workshop Manual '941516 Adjusting headlights'*
- 4.6 Exit the diagnostic application. Switch off ignition and disconnect **P90999 - P90999 - PIWIS Tester 4**.
- 4.7 Disconnect the battery charger. *Information on vehicle electrical system battery working instructions after disconnecting'*
- 4.8 Drive the vehicle off the vehicle lift.

94 15 32 40: –Install LED headlights in glacier ice blue/shaded  
Includes: Replace auxiliary headlights, replace main headlights, set and code headlights.

Labor time: **381 TU**

**Important Notice:** Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

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