

Installation and Conversion Instructions

Panamera (971) 35/18 ENU 9415

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Matrix Headlights 8JU/8IU

- Concern: Upgrading from LED headlights 8IS/8IT to Matrix headlights 8JU
- Model Year: As of 2017
- Restriction: Only for vehicles with basic LED headlights **8IS/8IT** incl. Porsche Dynamic Light System **and** Navigation unit High **7UG and either** Lane Keep Assist **6I1**, **or** Traffic sign recognition **9Q6**, **or** Porsche InnoDrive **3V1**.

(8IS/8IT + 7UG + 6I1/9Q6/3V1)

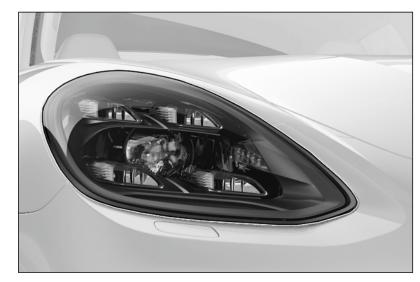


Figure 1

Parts Info:

971.044.914 971.044.916 Matrix headlights set, PDLS + SAE EXC, left and right **USA** Matrix headlights set, PDLS + SAE Standard, left and right **USA**

Replacing headlights

- 1 Replace headlights at the left and right.
 - 1.1 Remove and install headlight. ⇒ Workshop Manual 'Removing and installing headlights'
 - 1.2 Remove and install light bulb control unit. ⇒ Workshop Manual 'Removing and installing light bulb control unit'
 - 1.3 Convert LED module fan. Remove and install LED module fan. \Rightarrow Workshop Manual 'Removing and installing LED module fan'

1.4 Remove and install control unit for light adjustment. \Rightarrow Workshop Manual 'Removing and installing control unit for light adjustment'

Subsequent work

Coding and adjusting headlights

NOTICE

Voltage drop

- Risk of irreparable damage to control unit
- Risk of damage to control unit
- Fault entries in the control unit
- Coding in the control unit is aborted
- Malfunctions in control unit, even during programming
- \Rightarrow Prior to disconnecting the control unit, switch off the ignition and remove the ignition key.
- \Rightarrow Ensure that the power supply is not interrupted during programming.
- ⇒ Connect battery charger/power supply suitable for AGM Type batteries, recommended current rating of 90A fixed voltage 13.5V to 14.5V, tool number VAS 5908.

Information

The **9900 - PIWIS Tester III** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms; different text or additions may appear on the **9900 - PIWIS Tester III**.

- 2 Code headlights.
 - 2.1 **9900 PIWIS Tester 3** must be connected before switching on the ignition.
 - 2.2 Select vehicle type. PIWIS Tester II Diagnostics starts.
 - 2.3 Update vehicle data.
 - 2.3.1 **Additional menu** must now be selected by pressing •F7". Press •F11" to confirm the question "Create vehicle analysis log (VAL)?".
 - 2.3.2 Select the **Maintenance of vehicle data** function. Press F12[#] until **PR numbers** appears in the Value group column.
 - 2.3.3 Select **Headlights** in the Family column.
 - Value: Select 8JU/8IU PDLS

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- 2.3.4 Select Light assist. system in the Family column.
 - Value: Select 8G4 LED

Press • F12" to continue.

2.3.5 The selected values appear. Press • F8" to write values. Wait until the message Generation of vehicle data is complete. to continue. appears.

2.4 Adapt coding.

- 2.4.1 Select all control units by pressing • Ctrl A" .
- 2.4.2 Switch to the Codings/adaptations menu.

Select Automatic coding mode. Press • F12" to continue.

Wait until the following message appears: Coding was completed successfully. Press • F12" to continue.

3 Adjust and calibrate Matrix LED headlights; \Rightarrow Workshop Manual 'Adjusting headlights'.

94 15 23 40: Retrofitting Matrix headlights. Labor time: 148 TU Includes: Removing and installing wheel housing liners and headlights. Removing and installing light bulb control unit and seal. Removing and installing LED module control unit and LED fan. Without: Adjusting headlights.

95 15 16 01: Adjusting headlights Labor time: 53 TU

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