

Replacement Requirements for Components of the LED Matrix Main Headlights: No Mixed Installation of Component Parts is Permitted (25/24)

Model Line: **Taycan (Y1A / Y1B / Y1C)**

Model Year: **As of 2020 up to 2023**

Equipment: LED Matrix main headlights incl. Porsche Dynamic Light System Plus **(M-No. 8IU / 8JU)**

Concerns: **Headlight and LED light source control unit (matrix module)**

Cause: **Different component levels are available for the headlight control unit and the LED light source (matrix module) in the event of a replacement requirement. The previous component levels are not compatible with the new component statuses.**

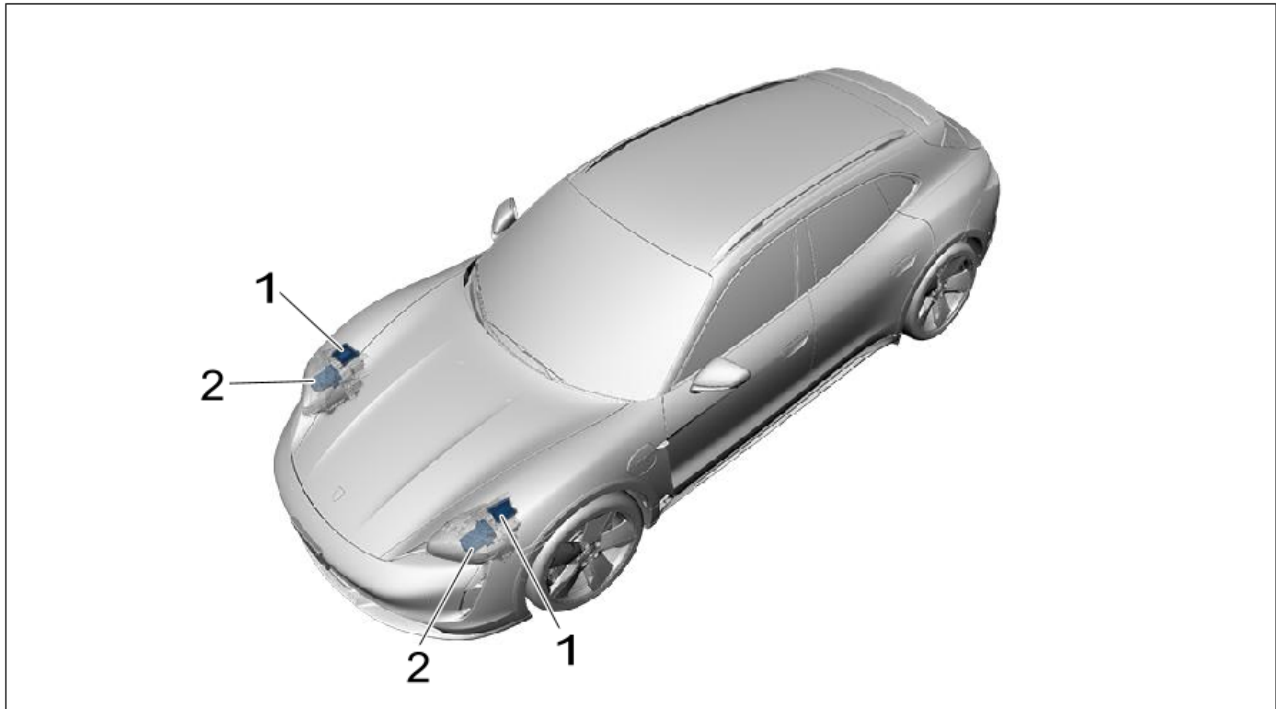
Action: Determine the components required for a replacement using the table in the section ⇒ *Technical Information 'overview for permissible combinations and options'*, and depending on the determined need for replacement, replace the defective **components** or **replace both previous components (headlight control unit and LED light sources) with the new component level.**



Information

If the affected components on an LED matrix main headlight are replaced by the new component level, the second LED matrix main headlight can continue to be operated with the previous control units (mixed installation of complete LED matrix main headlights is possible).

Installation
Position:



Installation position of the headlight control unit and LED light source

- 1 – Headlight control unit
- 2 – LED light source (matrix module)

Overview of permissible combinations for replacement requirements



Information

Determining part numbers:

The part number of the installed headlight control unit can be read from the control unit identification using the PIWIS Tester or read off from the control unit label.

The part number of the installed LED matrix module cannot be determined directly. Since the LED light source (matrix module) 9J1941661 is compatible only with the headlight control unit index .BA and the LED light source (matrix module) 9J1941661A is compatible only with the headlight index control unit .BG, the headlight control unit can be used to trace back to the installed LED light source (matrix module).

Overview:

Combination	Replacement requirement component	Availability of parts	Procedure
1.	Headlight control unit 992941592BA	Headlight control unit 992941592BA Available in the warehouse.	Replace headlight control unit 992941592BA.
2.		Headlight control unit 992941592BA Not available in the warehouse.	Replace headlight control unit and LED light source (matrix module) in the main headlight with the new component level: Headlight control unit 992941592BG and additionally install LED light source (matrix module) 9J1941661A
3.	Headlight control unit 992941592BG	Headlight control unit 992941592BG Available in the warehouse.	Replace control unit 992941592BG for headlights.
4.	LED light source (matrix module) 9J1941661	LED light source (matrix module) 9J1941661 Available in the warehouse.	Replace LED light source (matrix module) 9J1941661
5.		LED light source (matrix module) 9J1941661 Not available in the warehouse.	Replace LED light source (matrix module) and headlight control unit in the main headlight with the new component status: LED light source (matrix module) 9J1941661A and additionally install Headlight control unit 992941592BG
6.	LED light source (matrix module) 9J1941661A	LED light source (matrix module) 9J1941661A Available in the warehouse.	Replace LED light source (matrix module) 9J1941661A.

For procedures for replacing or replacing components, see:

⇒ *Workshop Manual '941619 Removing and installing headlight control unit'*

⇒ *Workshop Manual '941655 Replacing headlight control unit'*

⇒ *Workshop Manual '942419 Removing and installing LED light bulb (Matrix module)'*

Parts required if necessary



Information

Determine the components required for a replacement using the overview table above and order as required.

Parts Info:	Part No.	Designation - Location	Quantity
	992941592BA	⇒ Previous / control unit for LED light source - LED matrix main headlights	1 piece
	992941592BG	⇒ New / power module for main light electronics - LED matrix main headlights For replacement of previous part number 992941592BA can only be used in conjunction with matrix light module 9J1941661A.	1 piece
	9J1941661	⇒ Previous / matrix light module - LED matrix main headlights	1 piece
	9J1941661A	⇒ new / matrix light module - LED matrix main headlights For replacement of previous part number 9J1941661 can only be used in conjunction with power module for main light electronics 992941592BG.	1 piece

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
94165501	Replacing headlight control unit on the left	
94165502	Replacing headlight control unit on the right	

APOS	Labor operation	I No.
94245501	Replacing LED light source on the left	
94245502	Replace LED light source on the right	
94151601	Adjusting 2 headlights	

PCSS encryption:

Location (FES5)	9416	Headlight control unit
Damage type (SA4)	1611	not working

Location (FES5)	9424	LED light source
Damage type (SA4)	1611	not working

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