

WJ23 - Retrofitting Magnesium Wheels on the Vehicle (Workshop Campaign)

Revision: **December 14, 2018**

This revision amends the WJ23 as follows:
The maximum allowable cost for the 4 tires has been updated.

Model Year: **2018**

Model Line: **911 GT2 RS (991)**

Equipment: **Racetrack package (I-no. 808)**

Subject: **Magnesium wheels**

Information: **The demand for the equipment option "Weissach package" was significantly higher than originally calculated. This resulted in supply bottlenecks, for example, for the supplier of the magnesium wheels contained in this package.**

As a result, vehicles were delivered provisionally with aluminum wheels and do not therefore match the customer order.

Remedial Action: **Retrofit magnesium wheels on the vehicle** according to the campaign scope assigned to the respective vehicle.



Information

To find out which campaign scope is assigned to the respective vehicle for **retrofitting the magnesium wheels**, see PIWIS Vehicle Information.

- Scope 1: Magnesium wheels painted in black matt (**I-no. XDK**)
- Scope 2: Magnesium wheels painted in platinum satin-matt (**I-no. XDH**)
- Scope 3: Magnesium wheels painted in white gold metallic (**I-no. 340**)

The **part numbers** of the **parts required** for the respective vehicle are given in the **assigned campaign scope**.

For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*

**Information**

The set of wheels already fitted on the vehicle, consisting of aluminum wheels and tires, must be given to the customer free of charge. This can be used as a second set of wheels.

If the customer does not accept the aluminum set of wheels, they must not be used on any other vehicle. The aluminum set of wheels must then be scrapped and disposed of correctly.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 133 vehicles in North America.

Required materials

Materials: **Please note: Parts for this campaign will NOT be automatically allocated. All parts must be ordered via PTEC/PAV.**

**Information****Ordering tires**

The tires required for the campaign must be sourced locally. The tire makes approved by Porsche AG **Michelin Pilot Sport Cup 2** or **Dunlop Sport Maxx Race 2** can be used.

Part No.	Designation	Qty.
...	⇒ Tires on front axle 265/35 ZR20 (99Y) XL – Michelin Pilot Sport Cup 2 N2 or – Dunlop Sport Maxx Race 2 N1	2 ea. *
...	⇒ Tires on rear axle 325/30 ZR21 (108Y) XL – Michelin Pilot Sport Cup 2 N2 or – Dunlop Sport Maxx Race 2 N1	2 ea. *
...	– Balance stick-on weights, 5 - 90 g as required; for Part No., see Porsche Electronic Parts Catalog (PET) – Tire mounting paste, e.g. TIP TOP Universal mounting paste	1 ea. **

* For invoicing the tires during warranty processing, enter the **Part No. WJ230000001** with the designation "tires" as an **additional part** in the warranty claim. Maximum cost for all 4 tires: \$2,030.00 USD. Please document a copy of the invoice for the tires in PQIS.

** For invoicing the required balance stick-on weights and the tire mounting paste during warranty processing, enter the **Part No. WJ230000002** with the designation "expendable items" as an **additional part** in the warranty claim. Maximum cost: \$9.60 USD.

Required tools

- Tools:
- Special mounting lever with plastic protection
 - Holding-down device, e.g. holding-down device 9539 - for holding down the tire bead
 - Stick-on weight remover
 - **9796 - Socket wrench**
 - **9794 - Assembly aid**
 - **VAS 6266A - Wheel fitting trolley**

Retrofitting magnesium wheels on the vehicle



Information

- For correct tire mounting, always follow the instructions provided for the tire removal/mounting machine.
- The temperature of the tires must be approx. 68° F/20° C (at least 59° F/15° C) during fitting. Allow enough time to heat the tires in a suitable environment (at a room temperature of more than 59° F/15° C) if necessary.
- Make sure that there is no significant localized pressure on the magnesium wheel and on the tire during fitting. If excessive pressure is applied, this can cause damage that will render a tire unusable and/or a new magnesium wheel will be required.
- Before fitting, check the mounting head (of the mounting machine) for damage (scoring, soiling). The mounting head may have to be cleaned or replaced. A dirty or damaged mounting head can cause paint damage and pressure points on the rim flange.
- All parts that come into contact with the magnesium wheel and the tire are made of plastic to prevent damage to paintwork during fitting. The rim flange and mounting lever must be masked with adhesive tape to prevent damage to the area around the wheel spokes.
- If you do not have a mounting lever with plastic protection, use a rim flange protector (assembly aid) to prevent it from slipping onto the rim flange.
- When fitting the tires, always check the rolling direction and the inside/outside of the tires and make sure not to press the tire bead against the wheel electronics.
- Do not apply tire mounting paste on the wheel electronics.

- Work Procedure:
- 1 Install the wheel electronics unit on all magnesium wheels. For instructions, see ⇒ *Workshop Manual '443219 Removing and installing wheel electronics'*.
 - 2 Fit tires on the magnesium wheels. For instructions, see ⇒ *Workshop Manual '443219 Mounting tyres (removing and installing tyres)'*.
 - 3 Balance the magnesium wheels ⇒ *Workshop Manual '440594 Balancing/optimising wheels'*.
 - 4 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN01 Lifting the vehicle'*.

- 5 Remove aluminum wheels ⇒ *Workshop Manual '440519 Removing and installing wheel with central bolt'*.
- 6 Install magnesium wheels ⇒ *Workshop Manual '440519 Removing and installing wheel with central bolt'*.
- 7 Remove the vehicle from the lifting platform.
- 8 The **wheel change** must be **communicated to the TPM system**. To do this, select the tire type and tire size under **Main menu - TPM - Tire type** in the instrument cluster.
The TPM system re-learns the wheel positions during the test drive from a speed of 16 mph (25 km/h).
- 9 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

- Scope 1:
- Vehicles with magnesium wheels painted in black matt (**I-no. XDK**)

Working time:

Retrofitting magnesium wheels on the vehicle

Labor time: **212 TU**

Includes:

- Installing wheel electronics
- Mounting tires
- Balancing wheels/optimizing wheels
- Removing and installing wheel with central bolt

Parts required:

00004330430	Magnesium wheel in black matt (front)	2 ea.
00004330433	Magnesium wheel in black matt (rear)	2 ea.
9A790727502	Sensor for Tire Pressure Monitoring (TPM)	4 ea.
9P1601361B	Valve, aluminum, black	4 ea.
WJ230000001	Tires on front axle: 265/35 ZR20 (99Y) XL	1 ea.*
	Tires on rear axle: 325/30 ZR21 (108Y) XL	
	– Michelin Pilot Sport Cup 2 N2	
	or	
	– Dunlop Sport Maxx Race 2 N1	
WJ230000002	– Balance stick-on weights, 5 - 90 g as required; for Part No., see Porsche Electronic Parts Catalog (PET)	1 ea.**
	– Tire mounting paste, e.g. TIP TOP Universal mounting paste	

* For warranty processing, enter the **Part No. WJ230000001** with the designation "tires" as an **additional part** in the warranty claim; maximum cost for all 4 tires: \$2,030.00 USD. Please document a copy of the invoice for the tires in PQIS.

** For warranty processing, enter the **Part No. WJ230000002** with the designation "expendable items" as an **additional part** in the warranty claim; maximum cost: \$9.60 USD.

Only if the customer does not agree to keep the aluminum set of wheels: The cost of disposing of the tires can be entered as **sublet labor** with the designation "disposal of tires" in the warranty claim during warranty processing. Maximum cost: \$22.50 USD.

⇒ **Damage Code WJ23 066 000 2**

Scope 2:

- Vehicles with magnesium wheels painted in platinum satin-matt (**I-no. XDH**)

Working time:

Retrofitting magnesium wheels on the vehicle

Labor time: **212 TU**

- Includes:
- Installing wheel electronics
 - Mounting tires
 - Balancing wheels/optimizing wheels
 - Removing and installing wheel with central bolt

Parts required:

00004330431	Magnesium wheel in platinum satin-matt (front)	2 ea.
00004330434	Magnesium wheel in platinum satin-matt (rear)	2 ea.
9A790727502	Sensor for Tire Pressure Monitoring (TPM)	4 ea.
9P1601361C	Valve, aluminum, silver	4 ea.
WJ230000001	Tires on front axle: 265/35 ZR20 (99Y) XL	1 ea.*
	Tires on rear axle: 325/30 ZR21 (108Y) XL	
	– Michelin Pilot Sport Cup 2 N2	
	or	
	– Dunlop Sport Maxx Race 2 N1	
WJ230000002	– Balance stick-on weights, 5 - 90 g as required; for Part No., see Porsche Electronic Parts Catalog (PET)	1 ea.**
	– Tire mounting paste, e.g. TIP TOP Universal mounting paste	

* For warranty processing, enter the **Part No. WJ230000001** with the designation "tires" as an **additional part** in the warranty claim; maximum cost for all 4 tires: \$2,030.00 USD. Please document a copy of the invoice for the tires in PQIS.

** For warranty processing, enter the **Part No. WJ230000002** with the designation "expendable items" as an **additional part** in the warranty claim; maximum cost: \$9.60 USD.

Only if the customer does not agree to keep the aluminum set of wheels: The cost of disposing of the tires can be entered as **sublet labor** with the designation "disposal of tires" in the warranty claim during warranty processing. Maximum cost: \$22.50 USD

⇒ **Damage Code WJ23 066 000 2**

Scope 3:

- Vehicles with magnesium wheels painted in white gold metallic (**I-no. 340**)

Working time:

Retrofitting magnesium wheels on the vehicle

Labor time: **212 TU**

Includes: Installing wheel electronics
Mounting tires
Balancing wheels/optimizing wheels
Removing and installing wheel with central bolt

Parts required:

00004330432	Magnesium wheel in white gold metallic (front)	2 ea.
00004330435	Magnesium wheel in white gold metallic (rear)	2 ea.
9A790727502	Sensor for I Pressure Monitoring (TPM)	4 ea.
9P1601361C	Valve, aluminum, silver	4 ea.
WJ230000001	Tires on front axle: 265/35 ZR20 (99Y) XL	1 ea.*
	Tires on rear axle: 325/30 ZR21 (108Y) XL	
	– Michelin Pilot Sport Cup 2 N2	
	or	
	– Dunlop Sport Maxx Race 2 N1	
WJ230000002	– Balance stick-on weights, 5 - 90 g as required; for Part No., see Porsche Electronic Parts Catalog (PET)	1 ea.**
	– Tire mounting paste, e.g. TIP TOP Universal mounting paste	

* For warranty processing, enter the **Part No. WJ230000001** with the designation "tyres" as an **additional part** in the warranty claim; maximum cost for all 4 tires: \$2,030.00 USD. Please document a copy of the invoice for the tires in PQIS.

** For warranty processing, enter the **Part No. WJ230000002** with the designation "expendable items" as an **additional part** in the warranty claim; maximum cost: \$9.60 USD.

Only if the customer does not agree to keep the aluminum set of wheels: The cost of disposing of the tires can be entered as **sublet labor** with the designation "disposal of tires" in the warranty claim during warranty processing. Maximum cost: \$22.50 USD.

⇒ **Damage Code WJ23 066 000 2**

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