

Technical Information Service 145/21 ENU WMK8

WMK8 - Replacing Wheel Electronics for the Tire Pressure Monitoring System (TPMS) (Workshop Campaign)

Important: CRITICAL WARNING -This campaign includes steps where control unit(s) in the vehicle will be

programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document

the actual voltage on the repair order.

Model Year: As of 2020 up to 2022

Model Line: 718 Cayman / Boxster (982)

911 (992) Panamera (971) Taycan (Y1A / Y1B) Macan (95B)

Cayenne (9YA / 9YB)

Concerns: Wheel electronics for the Tire Pressure Monitoring system (TPMS)

Information: There is a possibility that the wheel rotation direction will not be detected on the affected

vehicles due to incorrectly calibrated processors in the wheel electronics for the Tire Pressure

Monitoring (TPMS) system.

In this case, the wheel position is not recognized by the control unit for the Tire Pressure Monitoring system and the message 'Fault monitoring tire pressure – Service necessary' is displayed in the instrument cluster. This can particularly occur after a wheel change or after selecting wheels manually

using the instrument cluster.

Action required: Depending on which campaign scope is assigned to the vehicle, replace the individually affected wheel

electronics unit or units for the Tire Pressure Monitoring (TPMS) system.



Information

Please note that **the measure applies to the wheel set** that was **originally delivered with the vehicle**. If necessary, during vehicle acceptance, ask your customer whether the wheel sets currently installed on the vehicle are the ones originally delivered with the vehicle.

If the original wheel set is not currently installed, you should not carry out the campaign at the present time, because otherwise the wheel electronics that are actually affected will not be replaced. In this case, do not close the campaign using the recall update, as otherwise it will no longer be displayed as open at a later time (e.g. when the fault is actually present or after the wheel has been changed) and can no longer be billed.

To prevent warranty processing errors due to an open campaign, the warranty check for this campaign was deactivated.

The Porsche Approved Warranty (PAW) can also be extended in this case if the campaign is not closed.



Information

The following fault memory entries may be present in the fault memory of the control unit for the Tire Pressure Monitoring System in this regard:

- 800406 Teaching phase, error assigning wheel electronics (direction of rotation not detected) ⇒ 718 Cayman (982) / 718 Boxster (982) / Macan (95B)
- C102DF3 Tire pressure warning, teaching phase, error assigning wheel electronics (direction of rotation not detected) ⇒ 911 Carrera (992) / Panamera (971) / Taycan (Y1A / Y1B) / Cayenne (9YA / 9YB)



Information

Please note that different parts and different quantities are required for carrying out the campaign on the affected vehicles. **Every vehicle** is therefore assigned just precisely **one campaign scope**.

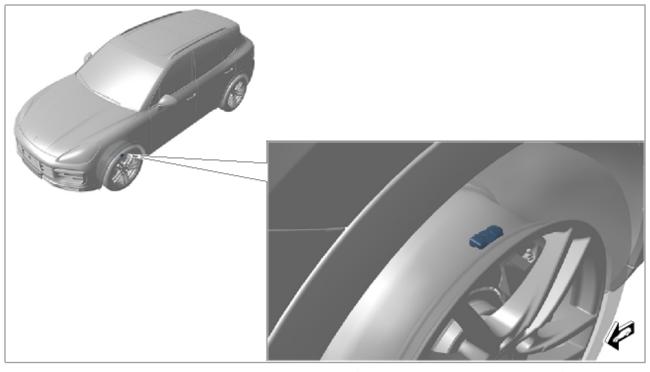
⇒ To find out which scope is assigned to each vehicle, see PCSS Vehicle Information.

Affected Vehicles:

Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

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Installation Position:



Installation position of the wheel electronics unit (based on the example of the Cayenne)

- Wheel electronics for the Tire Pressure Monitoring system **(replace)**

Required parts and materials



Information

The required parts and materials must be determined based on the scope of the campaign scope assigned to the respective vehicle. For an overview of the campaign scopes, see \Rightarrow *Technical Information 'Invoicing'*.

Required tools

Tools:

- Torque wrench, 40-200 Nm (29.5-147.5 ftlb), e.g. V.A.G 1332 Torque wrench, 40-200 Nm (29.5-147.5 ftlb.)
- Battery charger with a current rating of at least 90 A and if required also with a current and voltage-controlled charge map for lithium starter batteries, e.g. VAS 5908 Battery charger, 90 A
- 9900 PIWIS Tester 3

Only for 911 (992) vehicles with central wheel lock: (M-no. 1PJ):

- 9794 Assembly aid
- 9796 Socket wrench
- VAS 6266A Wheel installing trolley
- Torque wrench, 150-800 Nm (112-590 ftlb.), e.g. V.A.G 1601 Torque wrench, 150-800 Nm (112-590 ftlb.)

Additional tools required for balancing wheels:

- VAS 6079 Dial gauge
- VAS 6230BE Vibration control system

Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS)

Work Procedure:



Information

The following task must be carried out on the relevant wheel electronics in accordance with the respective campaign scope:

- Scope 1: Front left wheel
- Scope 2: Front right wheel
- Scope 3: Rear left wheel
- Scope 4: Rear right wheel
- Scope 5: Front wheel, left and right
- Scope 6: Front left and rear left wheel
- Scope 7: Front left and rear right wheel
- Scope 8: Front right and rear left wheel
- Scope 9: Front right and rear right wheel
- Scope 10: Rear left and rear right wheel
- Scope 11: Front left, front right and rear left wheel
- **Scope 12:** Front left, front right and rear right wheel
- **Scope 13:** Front left, rear left and rear right wheel
- Scope 14: Front right, rear left and rear right wheel
- Scope 15: Front left, front right, rear left and rear right wheel
- **Scope 16:** Front left wheel (911 with central wheel lock)
- **Scope 17:** Front right wheel (911 with central wheel lock)
- **Scope 18:** Rear left wheel (911 with central wheel lock)
- Scope 19: Rear right wheel (911 with central wheel lock)

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Scor	oe 20:	Front left	and front	tright wh	eel (911	with ce	entral whee	l lock)

Scope 21: Front left and rear left wheel (911 with central wheel lock)

Scope 22: Front left and rear right wheel (911 with central wheel lock)

Scope 23: Front right and rear left wheel (911 with central wheel lock)

Scope 24: Front right and rear right wheel (911 with central wheel lock)

Scope 25: Rear left and rear right wheel (911 with central wheel lock)

Scope 26: Front left, front right and rear left wheel (911 with central wheel lock)

Scope 27: Front left, front right and rear right wheel (911 with central wheel lock)

Scope 28: Front left, rear left and rear right wheel (911 with central wheel lock)

Scope 29: Front right, rear left and rear right wheel (911 with central wheel lock)

Scope 30: Front left, front right, rear left and rear right wheel (911 with central wheel lock)



Information

If the original position of the affected wheel electronics (TPMS) can no longer be clearly assigned (e.g. because the tire was changed or the rim was replaced in the interim period), the wheel electronics IDs can also be read out and compared before carrying out the campaign. For instructions, see \Rightarrow Technical Information 'Reading out wheel electronics IDs using the PIWIS Tester'



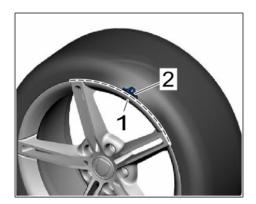
Information

When installing tires, ensure extreme cleanliness in the wheel electronics area. The wheel electronics unit must not come into contact with tire mounting paste or solvent.

- 1 Replace the wheel electronics for Tire Pressure Monitoring (TPMS) on the affected wheel or wheels.
 - 1.1 Remove the relevant wheel or wheels. ⇒ Workshop Manual '440519 Removing and installing wheel'

- 1.2 Push tire in the valve area off the rim until

 ⇒ Wheel electronics (TPMS) -1 the TPMS
 sensor is ⇒ Wheel electronics (TPMS) -2accessible.
- 1.3 Replace wheel electronics (TPMS). ⇒ Workshop Manual '443219 Installing and removing wheel electronics'
- 1.4 Install tires and pump them up to the required tire filling pressure.
- 1.5 Check the relevant wheel or wheels for true running and perform wheel balancing if necessary. ⇒ Workshop Manual '440593 Balancing wheel'



Wheel electronics (TPMS)

- 1.6 Install the relevant wheel or wheels. ⇒ Workshop Manual '440519 Removing and installing wheel'
- 2 Teach wheel electronics. ⇒ Workshop Manual '443225 Teaching wheel electronics'
- 3 Enter the campaign in the Warranty and Maintenance booklet.

Reading out wheel electronics IDs using the PIWIS Tester

Work Procedure:



Information

If the original position of the affected wheel electronics (TPMS) can no longer be clearly assigned (e.g. because the tire was changed or the rim was replaced in the interim period), the wheel electronics IDs can also be read out and compared before carrying out the campaign.

The Excel list 'WMK8_Sensor_ID_check' stored under this campaign in the PPN is required for this procedure. If you do not have the PPN information for this campaign, please contact Technical Support.

- 1 Connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable. Then connect the communication module to the vehicle and switch on the PIWIS Tester.
- 2 Switch on ignition and establish operational readiness.
- On the PIWIS Tester start screen, call up the 'Diagnostics' application.

 The vehicle type is then read out, the diagnostic application is started and the control unit selection screen is populated.
- 4 Select the 'Tire Pressure Monitoring (TPMS)' control unit and press F12" to continue.

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- 5 Select the 'Actual values/input signals' menu.
- 6 Select the 'Wheel electronics identifications' menu item and press F12" to continue.
- 7 Select the **'Sensor identification numbers (sensor IDs)'** function for the front left, front right, rear left and rear right wheel position and press F12* to continue.
- 8 Write down the sensor ID numbers and the relevant wheel position.
- 9 Switch off ignition and end operational readiness.
- 10 Enter the relevant sensor ID number in the Excel list 'WMK8_Sensor_ID_check' and confirm by pressing Enter. The text 'Defective' appears for defective TPMS sensors.
- 11 Replace defective TPMS sensors on the affected wheel or wheels.

 For instructions, see ⇒ Technical Information '443225 Replacing wheel electronics for the Tyre Pressure Monitoring system (TPM)'
- 12 Disconnect the PIWIS Tester from the vehicle.

Invoicing



Information

The specified working times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent work.

The working times may differ from the working times published in the Labor Operation List in PIWIS.

Scope 1: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) front left

Valid for

- 911 (992) without central wheel lock
- all other models

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

Labor time: 108 TU

1		Service		
+	WMK8	ENU 145/21		

Labor time: 108 TU

1 ea.

V04015006C	⇒ Tire pressure sensor 433 MHZ	1 ea.					
9P1601361F	⇒ Metal valve, silver (M-no. UX6)	1 ea.					
	or						
9P1601361G	\Rightarrow Metal valve, black (M-no. UX7)	1 ea.					
Required materials (usually already available at the Porsche dealer):							
00004330508	⇒ Mounting paste (100 gram/ 3.52 oz tube)	0.02 ea.					
WMK8000001*	\Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 oz)	1 ea.					
* For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.							

Scope 2: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) front right

Valid for

911 (992) without central wheel lock

⇒ Damage Code WMK8 066 000 2

· all other models

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ1 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)1 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

Required materials (usually already available at the Porsche dealer):

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00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea.

WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 3: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) rear left

Valid for

- 911 (992) without central wheel lock
- · all other models

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Labor time: 108 TU

Includes: Removing and installing rear left wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 1 ea.

9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 1 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7) 1 ea.

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea.

WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

→ balance stick-off weights (as required, 5 - 90 graffit 0. 16 - 5. 17 0Z)

* For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

⇒ Damage Code WMK8 066 000 2

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

Scope 4: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) rear right

Valid for

- 911 (992) without central wheel lock
- all other models

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing rear right wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 1 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 1 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

1 ea.

Labor time: 108 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea. WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 oz) 1 ea.

⇒ Damage Code WMK8 066 000 2

Scope 5: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left and front right

- 911 (992) without central wheel lock
- all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

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Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes:

Removing and installing front left wheel

Removing and installing front right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ

2 ea.

Labor time: 144 TU

9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)

2 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

2 ea.

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube)

0.04 ea.

WMK80000002*

 \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 6: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left and rear left

- 911 (992) without central wheel lock
- · all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing rear left wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 144 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 7: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left and rear right

- 911 (992) without central wheel lock
- all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 144 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 8: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front right and rear left

- 911 (992) without central wheel lock
- all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Labor time: 144 TU

2 ea.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Removing and installing rear left wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 9: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front right and rear right

- 911 (992) without central wheel lock
- all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

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Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 144 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 10: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, rear left and rear right

- 911 (992) without central wheel lock
- all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing rear left wheel

Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 144 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 11: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, front right and rear left

- 911 (992) without central wheel lock
- all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

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Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel Removing and installing rear left wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 3 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

3 ea.

Labor time: 178 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea. WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 12: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, front right and rear right

- 911 (992) without central wheel lock
- · all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ3 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

3 ea.

Labor time: 178 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea. WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 13: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, rear left and rear right

- 911 (992) without central wheel lock
- · all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

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Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing rear left wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ3 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

3 ea.

Labor time: 178 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea. WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 14: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front right, rear left and rear right

- 911 (992) without central wheel lock
- · all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

Labor time: 178 TU

3 ea.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Removing and installing rear left wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 3 ea.

9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 3 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea.

WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 15: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, front right, rear left and rear right

- 911 (992) without central wheel lock
- · all other models

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

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Labor time: 213 TU

4 ea.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel Removing and installing rear left wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ4 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)4 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.08 ea.

WMK80000004* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 16: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) front left

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €8.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 1 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 1 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

1 ea.

Labor time: 118 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea.

WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 17: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) front right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

145/21 ENU WMK8

4

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 1 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 1 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

1 ea.

Labor time: 118 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea. WMK8000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 oz) 1 ea.

⇒ Damage Code WMK8 066 000 2

Scope 18: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) rear left

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing rear left wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 1 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 1 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

1 ea.

Labor time: 118 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea.

WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 19: Replacing wheel electronics for the Tire Pressure Monitoring system (TPMS) rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

145/21 ENU WMK8

4

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing rear right wheel

Pressing off and installing tire Changing tire inflation pressure

Balancing wheel

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 1 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 1 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

1 ea.

Labor time: 118 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.02 ea.

WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 20: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left and front right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

Labor time: 160 TU

2 ea.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000001* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 21: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left and rear left

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: \$2.50.

145/21 ENU WMK8

4

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing rear left wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 160 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 22: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Labor time: 160 TU

2 ea.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 23: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front right and rear left

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

145/21 ENU WMK8

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Removing and installing rear left wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

2 ea.

Labor time: 160 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 24: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front right and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 160 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 25: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, rear left and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

145/21 ENU WMK8

4

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing rear left wheel

Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 2 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 2 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

2 ea.

Labor time: 160 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.04 ea.

WMK80000002* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 26: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, front right and rear left

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €4.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel Removing and installing rear left wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ3 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

3 ea.

Labor time: 200 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea. WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 27: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, front right and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

145/21 ENU WMK8

4

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ3 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

3 ea.

Labor time: 200 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea.

WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 28: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, rear left and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing rear left wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ3 ea.9P1601361F \Rightarrow Metal valve, silver (M-no. UX6)3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7)

3 ea.

Labor time: 200 TU

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea. WMK80000003* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

Scope 29: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front right, rear left and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

145/21 ENU WMK8

4

Labor time: 200 TU

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front right wheel

Removing and installing rear left wheel Removing and installing rear right wheel

Pressing off and installing tires Changing tire inflation pressure

Balancing wheels

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 3 ea.

9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 3 ea.

or

9P1601361G \Rightarrow Metal valve, black (M-no. UX7) 3 ea.

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.06 ea.

 $\label{eq:wmk80000003*} \mbox{\Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ \ 0.18 - 3.17 \mbox{1 ea.}}$

oz)

⇒ Damage Code WMK8 066 000 2

Scope 30: Replacing wheel electronics unit for the Tire Pressure Monitoring (TPMS) system, front left, front right, rear left and rear right

Valid for

^{*} For warranty processing, enter this part number with the designation 'expendable items' as an additional part in the warranty claim; maximum cost: €6.

Labor time: 240 TU

Working time:

Replacing wheel electronics for Tire Pressure Monitoring (TPMS)

Includes: Removing and installing front left wheel

Removing and installing front right wheel Removing and installing rear left wheel Removing and installing rear right wheel

Pressing off and installing tires

Balancing wheels

Changing tire inflation pressure

Connecting and disconnecting battery charger Teaching wheel electronics using the PIWIS Tester

Parts required:

V04015006C \Rightarrow Tire pressure sensor 433 MHZ 4 ea. 9P1601361F \Rightarrow Metal valve, silver (M-no. UX6) 4 ea.

or

9P1601361G ⇒ Metal valve, black (M-no. UX7)

4 ea.

Required materials (usually already available at the Porsche dealer):

00004330508 \Rightarrow Mounting paste (100 gram/ 3.52 oz tube) 0.08 ea.

WMK80000004* \Rightarrow Balance stick-on weights (as required, 5 - 90 gram/ 0.18 - 3.17 1 ea.

oz)

⇒ Damage Code WMK8 066 000 2

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