

WRU6 – Re-Programming Shift Console, Transmission and Gateway Control Units (Stop Delivery)

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 2024 up to 2025**

Model Line: **Panamera (YAA / YAB)**

Concerns: **Shift console**

Cause: **Due to excessively sensitive function monitoring, it is possible that the transmission software intermittently diagnoses an unwanted frictional connection. In addition, it is possible that the position of the selector lever is not reported to the transmission control unit in rare cases.**
In both cases, the transmission switches automatically to neutral "N" gear and separates the frictional connection. The desired gear can then be re-engaged when the vehicle is stationary.

Action: Depending on the campaign scope, re-program the shift console, transmission and/or gateway control units with optimized software before delivery to the customer.
When programming the transmission control unit, the DME control unit is also re-programmed with a corresponding data record.

Scope definition:

Every vehicle is assigned just one campaign scope

⇒ To find out the scope assigned to the relevant vehicle, see PCSS Vehicle Information.

Vehicles with campaign scope 1: Re-programming shift console

⇒ *Technical Information 'Re-programming shift console'*

Vehicles with campaign scope 2: Re-programming shift console and PDK control unit

⇒ *Technical Information 'Re-programming shift console and PDK control unit'*

Vehicles with campaign scope 3: Re-programming shift console, PDK and gateway control unit

⇒ *Technical Information 'Re-programming shift console, PDK and gateway control unit'*

Vehicles with campaign scope 4: Re-programming shift console and gateway control unit

⇒ *Technical Information 'Re-programming shift console and gateway control unit'*



Information

The minimum programming requirement is PIWIS Tester software release **43.000.021** (or higher).

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

Required Tools

- Tools:
- **P90999 - PIWIS Tester 4**
 - Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Re-programming shift console (scope 1)

Work Procedure: 1 **Only vehicles with campaign scope 1:** Re-programming shift console

The basic procedure for control unit programming is described in the Workshop Manual. ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming during this campaign:

Required PIWIS Tester software release:	43.000.021 (or higher)
Type of control unit programming:	Control unit programming using the "Automatic programming" function in the shift console control unit.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts as soon as programming and coding is complete.
Programming and coding duration (up to):	2.5 minutes
Software release to be programmed during this campaign:	▪ Shift console control unit: 0065 (or higher) Following control unit programming, the software release can be selected from the relevant control unit in the "Extended identifications" menu using the PIWIS Tester.
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'</i> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Manually retract the rear spoiler, which extended automatically during programming.
- 3 Read out the fault memories of all control units. If necessary, work through existing faults and delete them.
- 4 End the diagnostic application. Switch off the ignition. **P90999 - PIWIS Tester 4** must now be disconnected from the vehicle.
- 5 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*
- 6 Enter the campaign in the Warranty and Maintenance Logbook.

Re-programming shift console and PDK control unit (scope 2)

Work Procedure: 1 **Only vehicles with campaign scope 2:** Re-programming shift console and PDK control unit

The basic procedure for control unit programming is described in the Workshop Manual. ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming during this campaign:

Required PIWIS Tester software release:	43.000.021 (or higher)
Type of control unit programming:	Control unit programming using the "Automatic programming" function in the shift console and transmission electronics (PDKII) control units.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts as soon as programming and coding is complete.
Programming and coding duration (up to):	Shift console: 2.5 minutes Transmission electronics (PDKII) 11 minutes
Software release to be programmed during this campaign:	▪ Shift console control unit: 0065 (or higher) ▪ Transmission electronics (PDKII) control unit: 0542 (or higher) Following control unit programming, the software release can be selected from the relevant control unit in the "Extended identifications" menu using the PIWIS Tester.

Procedure in the event of error messages appearing during the programming sequence:	⇒ Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'.
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Manually retract the rear spoiler, which extended automatically during programming.
- 3 Read out the fault memories of all control units. If necessary, work through existing faults and delete them.
- 4 End the diagnostic application. Switch off the ignition. **P90999 - PIWIS Tester 4** must now be disconnected from the vehicle.
- 5 Switch off and disconnect the battery charger.
⇒ Workshop Manual '270689 Charging vehicle electrical system battery'
- 6 Enter the campaign in the Warranty and Maintenance Logbook.

Re-programming shift console, PDK and gateway control unit (scope 3)

Work Procedure: 1 **Only vehicles with campaign scope 3:** Re-programming shift console, PDK and gateway control unit
The basic procedure for control unit programming is described in the Workshop Manual. ⇒ Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'

Specific information on control unit programming during this campaign:

Required PIWIS Tester software release:	43.000.021 (or higher)
Type of control unit programming:	Control unit programming using the "Automatic programming" function in the shift console, transmission electronics (PDKII) and gateway control units.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts as soon as programming and coding is complete.
Programming and coding duration (up to):	Shift console: 2.5 minutes Transmission electronics (PDKII) 11 minutes Gateway: 7 minutes

Software release to be programmed during this campaign:	▪ Shift console control unit: 0065 (or higher) ▪ Transmission electronics (PDKII) control unit: 0542 (or higher) ▪ Gateway control unit: (China) 0027 (or higher) Following control unit programming, the software release can be selected from the relevant control unit in the "Extended identifications" menu using the PIWIS Tester.
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'</i> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Manually retract the rear spoiler, which extended automatically during programming.
- 3 Read out the fault memories of all control units. If necessary, work through existing faults and delete them.
- 4 End the diagnostic application. Switch off the ignition. **P90999 - PIWIS Tester 4** must now be disconnected from the vehicle.
- 5 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*
- 6 Enter the campaign in the Warranty and Maintenance Logbook.

Re-programming shift console and gateway control unit (scope 4)

Work Procedure: 1 **Only vehicles with campaign scope 4:** Re-programming shift console and gateway control unit

The basic procedure for control unit programming is described in the Workshop Manual. ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming during this campaign:

Required PIWIS Tester software release:	43.000.021 (or higher)
Type of control unit programming:	Control unit programming using the "Automatic programming" function in the shift console and gateway control units.

Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts as soon as programming and coding is complete.
Programming and coding duration (up to):	Shift console: 2.5 minutes Gateway: 7 minutes
Software release to be programmed during this campaign:	▪ Shift console control unit: 0065 (or higher) ▪ Gateway control unit: (China) 0027 (or higher) Following control unit programming, the software release can be selected from the relevant control unit in the "Extended identifications" menu using the PIWIS Tester.
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'.</i>
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Manually retract the rear spoiler, which extended automatically during programming.
- 3 Read out the fault memories of all control units. If necessary, work through existing faults and delete them.
- 4 End the diagnostic application. Switch off the ignition. **P90999 - PIWIS Tester 4** must now be disconnected from the vehicle.
- 5 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*
- 6 Enter the campaign in the Warranty and Maintenance Logbook.

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent rework. The labor time may differ from the labor time published in the Labor Operation List in the PCSS.

Scope 1: **Re-programming shift console**

Labor time:

Re-programming shift console

Labor time: **22 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Retracting rear spoiler
Reading out and deleting fault memories

⇒ **Damage number WRU6 066 000 1**

Scope 2: **Re-programming shift console and PDK control unit**

Labor time:

Re-programming shift console and PDK control unit

Labor time: **46 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Retracting rear spoiler
Reading out and deleting fault memories

⇒ **Damage number WRU6 066 000 1**

Scope 3: **Re-programming shift console, PDK and gateway control unit**

Labor time:

Re-programming shift console, PDK and gateway control unit

Labor time: **60 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Retracting rear spoiler
Reading out and deleting fault memories

⇒ **Damage number WRU6 066 000 1**

Scope 3:

Re-programming shift console and gateway control unit**Labor time:**

Re-programming shift console and gateway control unit

Labor time: **36 TU**

Includes:

- Connecting and disconnecting battery charger
- Connecting and disconnecting PIWIS Tester
- Retracting rear spoiler
- Reading out and deleting fault memories

⇒ **Damage number WRU6 066 000 1**

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