

Fault Code Entered After Programming DME Control Unit: Checking control unit system (38/17)

General information

Vehicle Type: **Macan**

Model Year: **As of 2014 up to 2015**

Subject: **Gateway control unit**

Concern: **After programming the DME control unit, the fault code "FS_U015500 Lost Communication with Instrument Panel Cluster (IPC)" can be entered in the fault memory of the DME control unit.**

If the software versions are no longer compatible, it may no longer be possible for the DME control unit to communicate with the instrument cluster **via the gateway control unit.**

Remedial Action: Read out the software version of the gateway control unit:

- If the **software version** of the gateway control unit is **not 404.511.04 (or higher)** ⇒ **Replace gateway control unit.**
- If the **software version** of the gateway control unit is **404.511.04 (or higher)**, the cause of the fault is not the cause described in this remedial action. Find the cause of the fault and correct it.

Parts Info:

| Part No.: | Designation: | Qty. |
|-----------------------|------------------------|-------|
| 95B.907.530.J – NEW – | ⇒ Gateway control unit | 1 ea. |

Tools: **9900 - PIWIS Tester 3** with PIWIS Tester software version **34.700.010** (or higher) installed
Battery Charger/Power Supply - Suitable for AGM Type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V.

Reading out software version of gateway control unit and replacing gateway control unit if necessary

NOTICE

Coding will be aborted in the event of low voltage.

- **Increased current draw during diagnosis can cause a drop in voltage, which can result in one or more fault entries and the abnormal termination of the coding process.**
- ⇒ **Before commencing work, connect a suitable battery charge or power supply - suitable for AGM Type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V to the jump-start terminals in the engine compartment.**

NOTICE

Coding will be aborted if the WLAN connection is unstable.

- An unstable WLAN connection can interrupt communication between PIWIS Tester 3 and the vehicle communication module (VCI). As a result, coding/programming may be aborted.
- ⇒ During control unit coding/programming, always connect PIWIS Tester 3 to the vehicle communication module (VCI) via the USB cable.

**Information**

The procedure described here is based on the PIWIS Tester 3 software version **34.700.010**.

The PIWIS Tester instructions take precedence and in the event of a discrepancy, these are the instructions that must be followed.

A discrepancy may arise with later software versions for example.

1 Preliminary work:

- 1.1 Connect a battery charger or power supply, suitable for AGM type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V.
- 1.2 Switch on the ignition using the **original driver's key**. On vehicles with "Porsche Entry & Drive", do this by replacing the control unit in the ignition lock with the original driver's key if necessary.
- 1.3 **9900 - PIWIS Tester 3** with software version **34.700.010** (or higher) installed must be connected to the vehicle communication module (VCI) via the **USB cable**. Then, connect the communication module to the vehicle and switch on the PIWIS Tester.
- 1.4 On the PIWIS Tester start screen, call up the ⇒ **'Diagnostics'** menu.

The diagnostic application is then started and the control unit selection screen is populated.

2 Read out software version of gateway control unit:

| | | | | |
|-----|---|----------------|------------|----------------|
| 2.1 | Control units 'Overview' | Gateway | select | •F12" |
| 2.2 | ⇒ Follow instructions: | | | •Yes" / •No" / |
| | <ul style="list-style-type: none"> • Create Vehicle Analysis Log (VAL) if necessary and • carry out any campaigns that are available for the vehicle. | | | •F12" |
| 2.3 | 'Extended identification' | | select | •F12" |
| 2.4 | Software version | | Write down | |

3 Check software version of the gateway control unit:

- If the **software version** of the gateway control unit is **not 404.511.04 (or higher)**, replace gateway control unit. Continue with Step 4.
 - If the **software version** of the gateway control unit is **404.511.04 (or higher)**, the cause of the fault is not the cause described in this remedial action. Find the cause of the fault and correct it.
- 4 Replace gateway control unit, see ⇒ *Workshop Manual '903555 Replacing gateway control unit'*
- 5 **Subsequent work:**
- 5.1 Switch off the ignition.
 - 5.2 Disconnect the PIWIS Tester from the vehicle.
 - 5.3 For vehicles with Porsche "Entry & Drive", replace the original vehicle key in the ignition lock with the control panel again.
 - 5.4 Switch off and disconnect the battery charger.

Invoicing: **Scope 1: Reading out software version of gateway control unit.**

The work involved is invoiced under the labor operation:

| APOS | Labour operation | I No. |
|----------|-------------------------------|-------|
| 90350150 | Checking gateway control unit | |

For invoicing and documentation using PQIS, enter the following coding:

| | | |
|-------------------|-------|------------------|
| Location (FES5) | 24700 | DME control unit |
| Damage type (SA4) | 9731 | Other |

Scope 2: Reading out software version of gateway control unit and replacing gateway control unit.

The work involved is invoiced under the labor operation:

| APOS | Labour operation | I No. |
|----------|--------------------------------|-------|
| 90350150 | Checking gateway control unit | |
| 90355500 | Replacing gateway control unit | |

For invoicing and documentation using PQIS, enter the following coding:

| | | |
|-------------------|-------|------------------|
| Location (FES5) | 24700 | DME control unit |
| Damage type (SA4) | 9731 | Other |

References: ⇒ *Workshop Manual '903555 Replacing gateway control unit'*

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