

Warning Message "Ignition Lock Faulty - Service Required" in the Instrument Cluster / Fault Memory Entry "B143C29" in the Rear-End Electronics Control Unit (SY 47/24)

Model Line: **911 (992)**

Model Year: **As of 2020**

Concerns: **Ignition starter switch**

Symptom: **The white warning message "Ignition lock faulty - service required" is displayed in the instrument cluster during the engine start-up process. The following fault memory entry is stored in the fault memory of the rear-end electronics control unit:**

- B143C29 - Ignition starter switch, signal implausible (010066)

Cause: When the ignition starter switch is actuated, the engine is started through the system from the moment when the ignition starter switch is between switch position **-1-** (ignition on) and switch position **-2-** (engine start) ⇒ *Ignition starter switch position -Arrow-*.

If the ignition starter switch for the engine start is not **fully** turned to the "Start engine" switch position ⇒ *Ignition starter switch position -2-* but is released directly after engine start instead, therefore, thereby switching back to the "Ignition on" switch position ⇒ *Ignition starter switch position -1-*, the above-mentioned symptom occurs after the fifth consecutive incomplete start process.



Ignition starter switch position

1 – Switch position “Ignition on”

2 – Switch position “Start engine”

Arrow – Engine start begins

Circle – Engine start release by “pushing brake” at ignition starter switch position ⇒ *Ignition starter switch position*

-Arrow-



Information

The ignition starter switch is a redundant system with four signals to ensure proper operation even if one of the signals is faulty. The signals are diagnosed by the rear-end electronics control unit at each complete cycle (vehicle off until engine running). If the ignition starter switch is not fully actuated to start the engine, one of the four signals is not switched. Due to the design of the redundant system, the engine can still be started, but a fault memory entry is generated in the diagnostic system by the repeated absence of the signal.



Information

After two full start-ups (“Start engine” switch position is reached completely), the warning message in the instrument cluster automatically disappears; the fault memory entry “B143C29” remains “Passive” in the rear-end electronics control unit.

Remedial
Action:

Inform the customer to turn the ignition starter switch to the “Start engine” ⇒ *Ignition starter switch position -2-* switch position each time in order to start the engine so that the system will work as intended.

Delete fault memory entry “B143C29 - Ignition starter switch, signal implausible (010066)” in the rear-end electronics control unit.



Information

This complaint does not involve a defect of the ignition starter switch. As a result, this action cannot be invoiced via a warranty claim.

Replacing the ignition starter switch will not correct the problem in this complaint and will not provide any remedy.

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