



Important!

Please give copies to all
your VW Technicians

Technical Bulletin

Subject: **Module, Vehicle Position Recognition Control -J603-,
Diagnosis**

Group: **91**

Number: **05-03**

Model(s): **Touareg**

**2003,2004,2005 ►
VIN: 7L_5D037305**

Date: **Aug. 16, 2005**

Condition

Load intervention faults, Terminal 30 faults,
discharged battery.

Service

The following procedures will help diagnose
possible amperage draw from Vehicle Position
Recognition Control module -J603- (compass
module).

Tool Requirements

VAS 5051 with VAS 50A current clamp.

Module Verification

- Using the VAS 5051, enter Address word 1C.
- Observe software level. If already at 2200:
- **DO NOT** complete this Technical Bulletin,
further diagnosis is required.
- If software level is less than 2200, (i.e. 1600
or 1700):
- Continue with bulletin.

Vehicle Requirements

- ◆ Battery must have minimum of 12.5 V no
load charge.
- If battery is discharged, charge with an
approved VW battery charger (InCharge 940
Battery Charging Station) until 12.5 V no load
charge is reached.
- Switch all consumers OFF.
- Eject and remove Navigation CD if equipped.
- Disable any auxiliary after market
consumers built into the vehicle. I.E. DVD
player, 12V converter/chargers, aux. heater,
etc.



Important!

Please give copies to all your VW Technicians

Technical Bulletin

- Wait for 15 minutes before beginning measurement.



Tip:

When removing the Radio/Navigation unit, place appropriate protective covering on the center console trim to prevent damage.



Battery, Parasitic Current Draw Measuring



Note:

When performing the following step, it is acceptable to "Trip" the drivers side door latch so the VAS 5051 tester probe is not damaged.

- Close all doors, hood and tailgate. Trip driver side door latch only.
- Remove Radio (optional Navigation).

- ◀ - Connect the VAS Voltage test positive probe (arrow) to the CAN Low terminal, Pin 10 – Orange/Brown wire.



- ◀ - Connect the VAS 5051 Voltage test negative probe to the door striker.



Important!

Please give copies to all
your VW Technicians

Technical Bulletin



– Lock the vehicle using the remote.

◀ – Connect VAS 5051 50A current clamp (arrow) on the Negative battery cable in front of the driver seat.

– Monitor the current draw and CAN sleep mode voltage for 15 minutes.

◆ After 15 minutes the draw should stabilize to a maximum of 40 mA and the CAN sleep voltage to battery voltage.



Tip:

Due to the frequent peak changes it is necessary to re-calibrate the VAS current clamp before final evaluation (disconnect the clamp and push the “Calibrate” button on the VAS 5051 tester).

If parasitic current draw reduces to 40 mA or less:

● If complaint occurred more than once:

– Call the Volkswagen Technicians Helpline for further instructions at 1-800-678-2389.

● If this is a first time concern, and you are unable to duplicate complaint:

– No further action with Vehicle Position Recognition Control module -J603- necessary (other diagnosis is required).



Important!

Please give copies to all
your VW Technicians

Technical Bulletin

If parasitic current draw does not reduce to 40 mA or less:

A. Intermittent Infotainment CAN BUS wake up with the following symptoms:

- Intermittent little 'clicks' coming from Instrument cluster area.
- Intermittent current spikes up to 3.5A.
- Infotainment CAN Low voltage < 5V.

B. Excessive current draw with following symptoms:

- No CAN wake up.
- Current draw up to 200mA.

If 40 mA or less reading is not obtained at all, or if it is reached only temporarily and continues to mimic scenario 'A' within a 30 minute period:

- Disconnect Vehicle Position Recognition Control module -J603-, calibrate VAS probe, cycle the ignition, and re-measure current draw.

If 40 mA or less reading is obtained after disconnecting Vehicle Position Recognition Control module -J603- and remains stabilized:

- Replace Vehicle Position Recognition Control module -J603- with Part No: 7L6 919 879A.



Tip:

Part numbers listed in this bulletin are for reference only. Always check with your Parts Dept. for the latest parts information.

If 40 mA or less stable reading is not obtained after Vehicle Position Recognition Control module -J603- is disconnected:

- Further diagnosis is necessary.



Important!

Please give copies to all
your VW Technicians

Technical Bulletin

Warranty

- Attach VAS 5051 measurement printouts as displayed, with short fault description, to each replaced Vehicle Position Recognition Control module -J603- and provide with old part to VVoA Warranty Test Center.

When procedure applies to vehicles with- in the New Vehicle Limited Warranty, use the following:	
Claim Type:	W2
Part Identifier:	9114
Damage Code:	9114 40 000 1
Labor Operation:	91140100 100TU
Diagnostic Time:	No Diagnostic Time Allowed
Claim Comment: Type “As per Technical Bulletin V910503” in comment section of Warranty Claim.	