

Technical Bulletin



Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
(A5) Rabbit, GTI	2006-2007	All	All	All	All
(A5) Jetta	2005-2007	All	All	All	All

Condition

01 12 30 October 3, 2012 **2012705** Supersedes T. B. V010615 dated September 19, 2006 to update warranty information.

Engine, Cranks Intermittently or No Crank

Customer may state that engine cranks intermittently or will not crank. **May be more evident when HOT.**

Technical Background

May be caused internally when the Steering Column Electronic Systems Control Module -J527- fails, this causes Terminal 50 to not energize high, which results in a no crank condition.

Steering Column Electronic Systems Control Module -J527- performs two operations when starting the vehicle. When ignition is turned to crank position:

- A message is sent via CAN bus to Vehicle Electrical System Control Module -J519-.
- The Terminal 50 circuit between Vehicle Electrical System Control Module -J519- and Steering Column Electronic Systems Control Module -J527- is energized to high.



Tip:

Fault code for "00885 Ignition/Starter Switch -D- (terminal 50) 008 implausible signal 001 sporadic" may be stored in Vehicle Electrical System Control Module -J519-.

Production Solution

No production change required.

Service

- Verify the output of the Steering Column Electronic Systems Control Module -J527- using VAS 5051/5052.
- Enter address word 16 - Steering Wheel Electronics.
- Read Measuring Value Block 3.

In field one, there will be a bit pattern which is relevant to ignition switch status.

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Similar screen appears:

- Turn ignition switch to the crank position and observe that the last bit cycles from “0” to “1”, as shown.



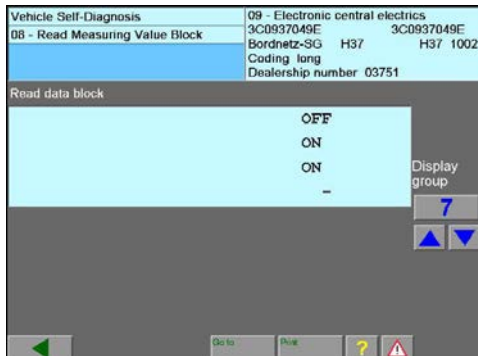
Tip:

Example of switch in crank position: 01011

If the bit does not cycle, then verify the integrity of the ignition switch (further diagnostics are needed. **DO NOT** continue with this Technical Bulletin).

- Exit address word 16 - Steering Wheel Electronics.
- Enter address word 09 - Electronic Central Electrics.
- Read Measuring Value Block 7.
- Turn ignition switch to the crank position again and hold.

The first field is a status indication of the Terminal 50 input on pin G1 on the Vehicle Electrical System Control Module -J519-.



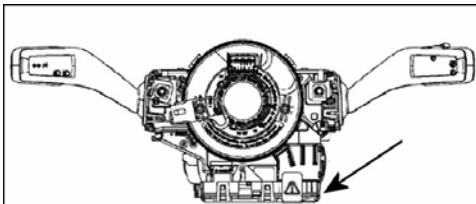
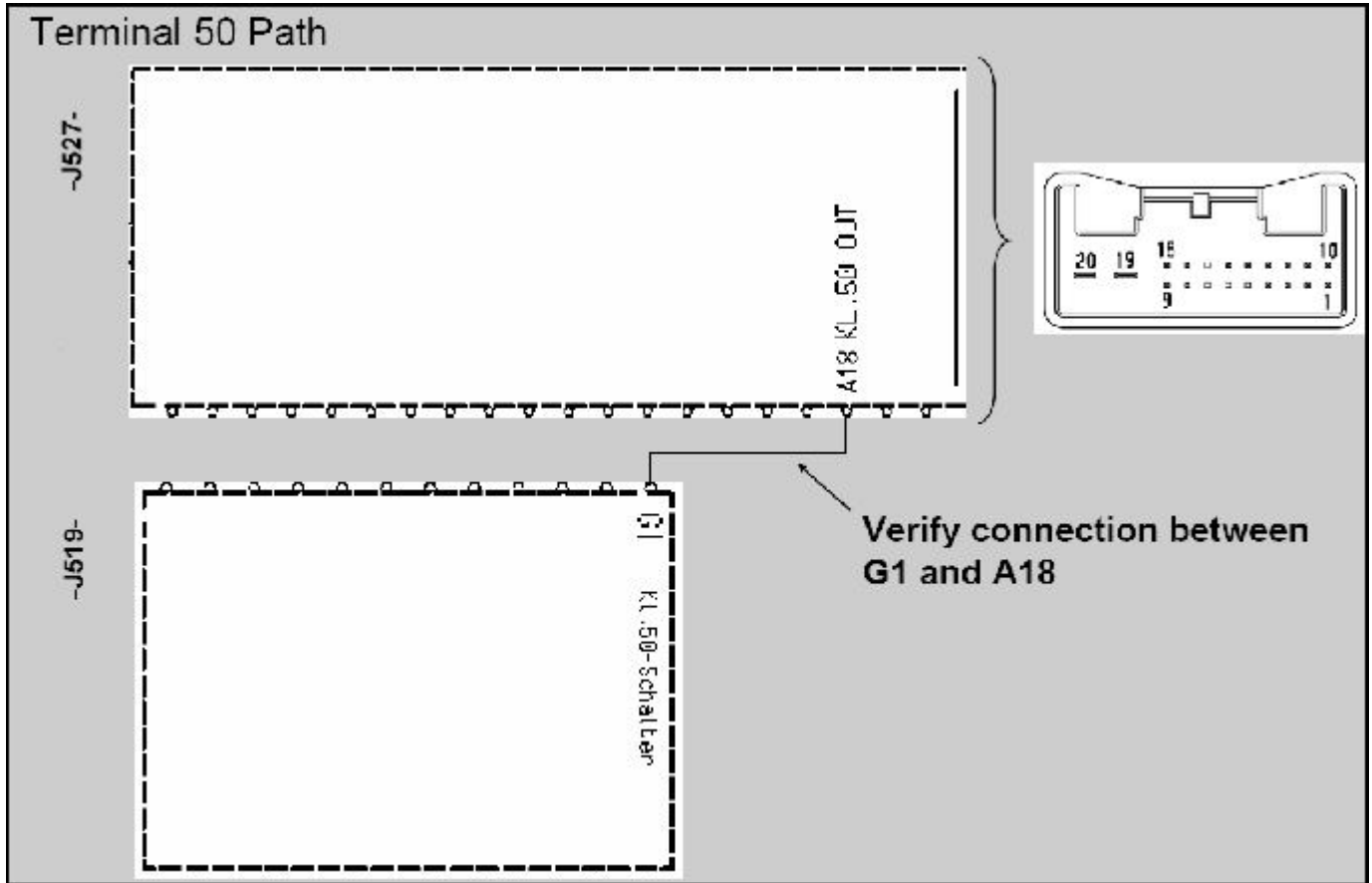
Similar screen appears:

- If this does not cycle from “**OFF**” to “**ON**”, as shown, when in the crank position then the Vehicle Electrical System Control Module -J519- is not receiving a Terminal 50 input from the Steering Column Electronic Systems Control Module -J527-.

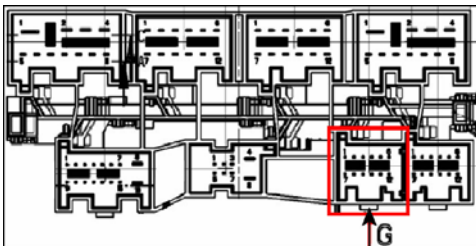
Verify Terminal 50 circuit and connector terminals between Vehicle Electrical System Control Module -J519- and Steering Column Electronic Systems Control Module -J527-.

Circuit path: Pin 1 on the 12 pin G connector of Vehicle Electrical System Control Module -J519- to pin 18 on the 20 pin connector of the Steering Column Electronic Systems Control Module -J527-.

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Steering Column Electronic Systems Control Module -J527- located under steering column, -arrow-.



Connector G located on top of Vehicle Electrical System Control Module -J519-, -arrow-.

If Terminal 50 circuit is valid:

- Replace Steering Column Electronic Systems Control Module -J527-. See Repair Manual Group 94 - Lights, Switches - exterior, Steering Column Switches.

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Tip:

It is helpful to copy the coding of the Steering Column Electronic Systems Control Module -J527- prior to exchanging the part.

If Terminal 50 circuit or connector terminals are damaged:

- Repair as necessary.

Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
(A5) Rabbit, GTI	2006-2007	All	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
9449	0040	--		Use applicable when indicated in ElsaWeb (L/R)	
Parts Manufacturer	Rabbit, GTI			See Removed Part ²⁾	
Labor Operation ³⁾ : Steering Column Electronics Module Remove and Install		94491950 = 10 TU			
Labor Operation ³⁾ : Steering Column Trim Remove and Install		70111950 = 10 TU			
Labor Operation ³⁾ : Steering Wheel Remove and Reinstall		48101950 = 10 TU			
Labor Operation ³⁾ : Driver Airbag Remove and Reinstall		69581900 = 30 TU			
Causal Part:		Steering Column Systems Control Module			
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 20 TU max			YES	

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Road Test	01210002 01210004	NO
Technical Diagnosis	0132xxxx = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2012705" in comment section of Warranty Claim.		
<p>1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only</p> <p>2) Code per warranty vendor code policy.</p> <p>3) Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>4) Documentation required per Warranty Policy Procedures Manual.</p>		

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9449	0040	--	Use applicable when indicated in ElsaWeb (L/R)		
	Jetta		See Removed Part ²⁾		
Labor Operation ³⁾ : Steering Column Electronics Module Remove and Install			94491950 = 20 TU		
Labor Operation ³⁾ : Steering Wheel Remove and Reinstall			48101950 = 10 TU		
Labor Operation ³⁾ : Driver Airbag Remove and Reinstall			69581900 = 30 TU		
Causal Part:			Steering Column Systems Control Module		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 20 TU max			YES	
Road Test	01210002 01210004			NO	

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Technical Diagnosis	0132xxxx = 00 TU max.	NO
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Required Parts and Tools

Description	Part No:	Quantity
Steering Column Electronic Systems Control Module -J527-	Ordered by VIN	1

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS-PC, 5051B, 5052A, 6150X (Base CD V19.01.00 and Brand DVD V19.18.00 or higher)