

**G3 – Gear Selector Fault**

**Vehicles Affected**

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Panamera	As of 2024	YAA, YAB	N/A	N/A

**Revision History**

Revision	Release Date	Changes
0	September 3, 2024	Original document
1	December 20, 2024	New software is available

**Condition**

Customer reports:

- The vehicle shifts itself into Neutral without input, and one of two fault messages:
- *“Risk of rolling away! P not possible. Please apply parking brake”*
- *“Transmission control unit fault. Reverse gear may not be available”*

**Technical Background**

This issue is caused by a signal loss from the **gear selector** due to the Gateway control unit. Fault codes that are associated for this failure are:

- **Transmission Electronics - U010300 – “Lost Communication with Gear Shift Module”**
- **Instrument Cluster - B19DDF0 – “Display of fault in transmission level P not available, active”**

The failure condition to engage Neutral can occur from speeds up to 13 mph. The customer is then required to re-engage Drive if this occurs.

### Customer Action

1. Inform the customer that if the issue occurs, the transmission selector lever can be shifted to Drive, and the vehicle can continue to operate normally.
2. There is software that mitigates this condition. (See below.) We expect further improvements in a future software release that should completely solve the issue. This ATI will be updated when that final software solution is released.

### Service Information

#### Preliminary work:

1. Verify the customer's complaint.
2. Create a PCSS job.
3. Take a Pre-VAL.
4. Verify the issue is isolated to the conditions described above and the listed fault codes are present.

#### Reprogram the shift console and PDK control unit

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

#### Specific information on control unit programming :

Required PIWIS Tester software release:	<b>43.000.021</b> (or higher)
Type of control unit programming:	Control unit programming using the " <b>Automatic programming</b> " function in the shift console and transmission electronics (PDKII) control units.
Programming sequence:	Read and follow the <b>information and instructions on the PIWIS Tester</b> during the guided programming sequence.  <b>Do not interrupt the programming and coding process.</b>  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: <b>2.5 minutes</b> Transmission electronics (PDKII): <b>11 minutes</b>

## Advanced Technical Information

Software release to be programmed:	<ul style="list-style-type: none"> <li>▪ Shift console control unit: <b>0065</b> (or higher)</li> <li>▪ Transmission electronics (PDKII) control unit: <b>0542</b> (or higher)</li> </ul> <p>Following control unit programming, the software release can be selected from the relevant control unit in the "Extended identifications" menu using the PIWIS Tester.</p>
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.

### Subsequent Work

1. Manually retract the rear spoiler, which extended automatically during programming.
2. Read out the fault memories of all control units. If necessary, work through existing faults and delete them.

### Warranty

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
03350050	On board diagnostic	
03350053	On board diagnostic (Pre-VAL)	

PCSS encryption:

Location (FES5)	37080	Shift console
Damage type (SA4)	1611	No function

### Search Items

G3, YAA, YAB, Panamera, Shifter, PDK, Transmission, Gateway

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