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## Fault message in instrument cluster, park pawl

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Topic number	LI26.00-P-059641
Version	1
Design group	26.00 General
Date	08-11-2014
Validity	MODEL 242.890 (B-Class electric drive)
Reason for change	
Reason for block	

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**Complaint:**

A 'Visit workshop without changing gear' message is shown on the instrument cluster.

An ignition change can reset this message. The display message is not shown again.

**Cause:**

Frequent activation of the drive-CAN means that the position of the park pawl has to undergo teach in again. The PT-CU control unit (N127) detects a mistake and shows the following fault code:

P141F4B (Malfunction in 'Park pawl' control unit. There is a fault due to overtemperature.)

The can be filed on its own or using one of the following fault codes in the PTCU control unit (N127):

P060C64 (There is an internal control unit fault in the central processing unit. There is an implausible signal.)

and/or

In the ESP control unit for the regenerative brake system (N30/4):

C073D00 (The CAN message from control unit 'A80 (Intelligent servo module for DIRECT SELECT)' is faulty.)

Note: The first fault entry P141F4B can also be filed without a customer complaint. If fault code P060C64 or C073D00 occur unrelated to fault code P141F4B, then this should be separately monitored.

**Remedy:**

With this problem, parts do not need to be replaced and no further test work conducted. A PTSS case should also be created to aid in tracking of complaint volume.

Work is currently underway on an improvement measure.

The customer should also be notified of the following procedure:

If the message is shown on the instrument cluster again, then circuit 15 must be switched on for approx. 10 minutes and then a status change (KI.15) conducted.

If, after this procedure, the fault message no longer appears in the instrument cluster, the park pawl function is then fully operational at all times.

Symptoms
Power transmission / Automatic transmission / Automatic transmission - function / General

Control unit/fault code		
Control unit	Fault code	Fault text
PTCU - Drivetrain (N127) (CEPC242)	P141F4B	The control unit 'Park pawl' has a malfunction. There is a fault due to overtemperature.
ESP® - Regenerative braking system (N30/4) (RBS242)	C073D00	The CAN message from control unit 'A80 (Intelligent servo module for DIRECT SELECT)' is faulty.
PTCU - Drivetrain (N127) (CEPC242)	P060C64	There is an internal control unit fault in the central processing unit. There is an implausible signal.

Work units				
Op. no.	Operation text	Time	Damage code	Note
			04005 90	

Validity		
Vehicle	Engine	Transmission
242.890	*	*