



PARKING BRAKE DOES NOT WORK

MODEL

E70 (X5) E71 (X6)	E70 (X5) E71 (X6)
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SITUATION

- Parking brake (EMF) sporadically or permanently fails to engage.
- Check Control Message (CCM) "Parking brake failed" is displayed.
- One or more of the following fault codes are stored in the EMF control unit:
 - o 0x6023 - PER_POWER_SUPPLY
 - o 0x600E - ECU_RELAY_MOSFET
 - o 0x6011 - ECU_MOTOR_CIRCUIT
 - o 0x600C - PER_BUTTON_RAW
 - o 0x6019 - PER_BUTTON_APPLY
 - o 0x6020 - PER_BUTTON_RELEASE
 - o 0x6021 - PER_IGN_WAKE
 - o 0x6022 - PER_WHEEL_SPEED
 - o 0xD387 - CAN_BUS

CAUSE

Damaged wiring harness

Defective electromechanical parking brake (EMF) actuator unit

CORRECTION

Replace wiring harness and/or replace EMF actuator unit with control unit, if required

PROCEDURE

For vehicles matching the conditions described by the situation:

- Using ISTA, check the fault memory.

Is the code 0x6023 - PER POWER SUPPLY stored in the EMF control unit fault memory?

YES- go to step 2.

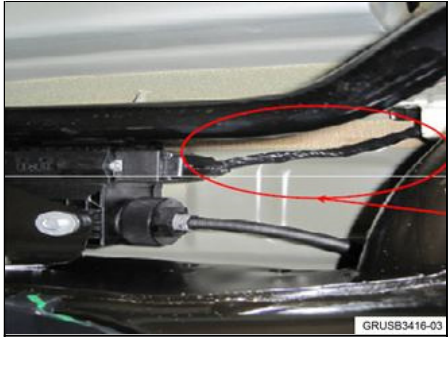

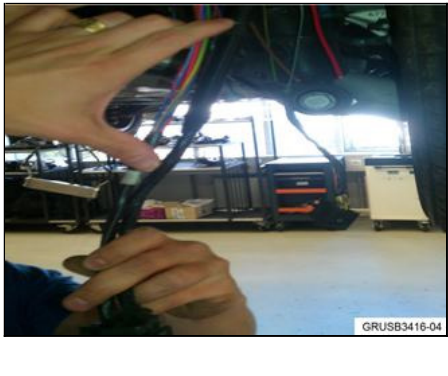
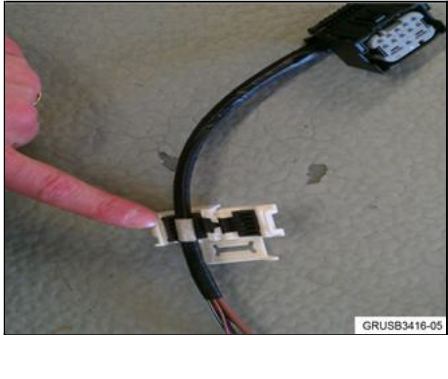
NO – go to step 3.

- Check how many times the 0x6023 - PER POWER SUPPLY fault code was stored.

Was the fault code stored 10 or more times?

YES- replace the EMF actuator unit with control unit then go to step 4.

NO - continue with next step.

 <p>GRUSB3416-03</p>	<ol style="list-style-type: none"> Check the wiring harness for damage in the area shown. Is the harness damaged? YES- go to next step. NO – no additional repair indicated by this bulletin, follow the ISTA test plan. <div style="text-align: center;">  <p>For all other remaining EMF fault codes, follow the corresponding test plans.</p> </div>
 <p>GRUSB3416-04</p>	<ol style="list-style-type: none"> Insert repair harness where shown.
 <p>GRUSB3416-05</p>	<ol style="list-style-type: none"> Replace harness in vehicle securing in clamp with reinforcement placed as shown.

6. If EMF actuator unit with control unit was replaced, reprogram vehicle.

Always connect a BMW approved battery charger / power supply ([SI B04 23 10](#)).

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software. For information on programming and coding with ISTA/P, refer to CenterNet / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

PARTS INFORMATION

Part Number	Description	Quantity
61 11 9 264 719	Repair wiring harness	1
And, if necessary:		
For production before 10/2011:		
34 43 6 796 072	EMF actuator unit with control unit	1
Or:		
For production from 10/2011:		
34 43 6 850 289	EMF actuator unit with control unit	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	34 43 90 12 00	
Labor Operation:	Labor Allowance:	Description:
00 60 058	13 FRU	Perform a vehicle test (includes connecting an approved battery charger), check the wiring harness for damage and replace (Main work)
Or:		
00 60 676	12 FRU	Perform a vehicle test (includes connecting an approved battery charger), check the wiring harness for damage and replace (Plus work)

		– Vehicle is already in the workshop)
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Or:

Labor Operation:	Labor Allowance:	Description:
00 60 059	28 FRU	Perform a vehicle test (includes connecting an approved battery charger), replace actuator unit with control unit and wiring harness, program/encode control unit(s) – without CAS (Main work)
Or		
00 60 677	26 FRU	Perform a vehicle test (includes connecting an approved battery charger), replace actuator unit with control unit and wiring harness, program/encode control unit(s) – without CAS (Plus work – Vehicle is already in the workshop)

Or:

Labor Operation:	Labor Allowance:	Description:
00 60 060	29 FRU	Perform a vehicle test (includes connecting an approved battery charger), replace actuator unit with control unit and wiring harness, program/encode control unit(s) - with CAS (Main work)
Or:		
00 60 678	27 FRU	Perform a vehicle test (includes connecting an approved battery charger), replace actuator unit with control unit and wiring harness, program/encode control unit(s) - with CAS (Plus work – Vehicle is already in the workshop)

Vehicle Programming and Coding

Control module failures that occur during programming:

- Please claim these consequential repairs under the defect code listed in this bulletin and use the applicable KSD2 labor operations.

Other Repairs

Control module failures that occur prior to programming:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

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