



SI B34 07 19  
Brakes

June 2019  
Technical Service

## CHECK CONTROL MESSAGE (CCM) “BRAKE SYSTEM” DISPLAYED

### MODEL

I01 (i3)			
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### SITUATION

CCM “Brake system: Press pedal harder for usual braking power. Drive with caution to nearest authorized BMW Service workshop” lights up.

(Check Control message ID24)

The fault usually only occurs at very low temperatures and in rainy regions.

### CAUSE

Moisture in the connector of the electric vacuum pump

### PROCEDURE

1. Disconnect the electrical vacuum pump connectors from the wiring harness and let both connectors dry
2. Reconnect the connectors after they are completely dried and seal it with electrical tape
3. Delete the fault memory and carry out a functional check
4. Reassess the vehicle before reassembly, if the fault persists (CCM returns) replace the electrical vacuum pump

### PARTS INFORMATION

Refer to ETK when applicable

### WARRANTY INFORMATION

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

<b>Defect Code:</b>	<b>3433107900</b>	<b>Electrical vacuum pump (vacuum pump), brake system incorrect connection/contact fault</b>
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Check, Repair and Recheck only

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
34 33 200	Refer to AIR	Removing and installing electric vacuum pump (Includes adjusting headlights) (Main work)

Or:		
34 33 700	Refer to AIR	Removing and installing electric vacuum pump (Includes adjusting headlights) (Plus work)
And:		
34 99 000	3 FRU	Worktime to check, dry both connectors, <b>verify problem is corrected</b> and seal the connector with electrical tape before reassembly

If you are using a Main labor code for another repair, use the Plus code labor operation 34 33 700 instead of 34 33 200

Or:

#### Check, Repair, Recheck and Replace

Labor Operation:	Labor Allowance:	Description:
34 33 210	Refer to AIR	Replacing electric vacuum pump (Includes adjusting headlights) (Main work)
Or:		
34 33 710	Refer to AIR	Replacing electric vacuum pump (Includes adjusting headlights) (Plus work)
And:		
34 99 000	5 FRU	Worktime to check, dry both connectors, <b>verify problem is not corrected</b> . After replacing the electric vacuum pump, seal the connector with electrical tape before reassembly

If you are using a Main labor code for another repair, use the Plus code labor operation 34 33 710 instead of 34 33 210.

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 34 99 000 is not considered a Main labor operation. Also, since the work time FRU allowance to be claimed is specified, a separate punch time is not required. However, it still requires an explanation on the repair order and in the claim comments section.

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