



SI M34 03 17  
Brakes

April 2018  
Technical Service

## PREMATURE REAR BRAKE WEAR




New information provided by this revision is preceded by this symbol .

This Service Information bulletin replaces SI M34 03 17 **dated September 2017**


### What's New:

- Model – Production date end

### **MODEL**

 F55 (MINI Hardtop 4 Door) From 7/2014 up to 1/30/17	 F56 (MINI Hardtop 2 Door) from 12/2013 up to 1/30/17	 F57 (MINI Convertible) from 11/2015 up to 1/30/17
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## SITUATION

 Vehicles with total mileage below approx. 12,500 may experience premature wear of the rear brakes. In some cases there also may be visible damage due to thermal overload.

The following check control message may be displayed:

"Brake system - Continue driving at a moderate speed.- brake pads must be changed - Have it checked by your authorised BMW Service workshop."

Possible fault code:

480A12 Brake pad wear sensor - rear axle - wear limit reached

Check Control (CC) message: ID: 71, brake pad - wear indicator -brake pads must be changed - Have it checked by your authorised BMW Service workshop

## CAUSE

An improper basic setting of the parking brake (aka handbrake, emergency brake).

Premature wear is categorized by:

- The rear brake pad thickness is less than 4.5 mm
- The brake pad thickness on the front axle is still at least 8 mm and the brake pads on the front axle were not exchanged before

## CORRECTION

Only apply this measure if:

- The CC message reads "Brake system - continue driving moderately". – Brake pads must be changed - Have it checked by your authorized BMW Service workshop" is displayed

- **UPDATE!** Total vehicle mileage is below 12,500
- Rear brake pads have been determined to display early wear
- The brake pad wear sensor has been reached.

## PROCEDURE

**UPDATE!** In case of a customer complaint, work through the corresponding test module.

Check the full movement distance of the brake pads, and also observe the following points:

1. Carry out a visual inspection of all rear brake pads. Check if the brake pad wear sensor has been reached, or if the brake pad thickness of at least one brake pad is less than 4.5mm.
2. If the wear sensor has not yet been reached and the brake pads are not yet worn, check the brake pad wear sensor circuit and repair if necessary. The Condition Based Service reset must be carried out using the diagnosis tester. Do not increase the service counter.
3. In the case of a worn sensor or brake pad thickness less than 4.5mm, carry out the following steps:

Move the vehicle approx. 100 yards. Do not apply the parking brake as it could result in pulling to one side and/or resistance.

A) Raise the vehicle on a lift so that the rear wheels can be rotated. Fully release the parking brake.

B) Check if the rear wheels can be rotated freely by hand. With the parking brake fully released or with one tooth engaged, it should be possible to turn the wheels easily and without resistance for least one-half revolution. If so, skip to step "F".

C) If the rear wheels cannot be turned freely per Step B, the basic setting of the parking brake may be incorrect. Verify the basic settings of the parking brake per Repair Instruction REP 34 00 014 "Adjusting the parking brake".

### Important:

A proper setting of the parking brake is only possible when the parking brake bowden cable and all moving parts of the parking brake move easily and are functional. The ability to move the wheel must not be induced by pressing back the parking brake actuating lever on the brake caliper by hand.

D) If you feel a turning resistance in the rear wheels:

- Carefully loosen the parking brake lever adjusting nut
- Loosen the parking brake bowden cable completely
- Apply and release the parking brake a few times
- Drive the vehicle approx. 100 yards without applying the parking brake
- Go back to Step A

E) If you still feel resistance when rotating the rear wheels, check the Bowden cables, brake calipers and their components for freedom of movement. Repair or replace as necessary.

F) Once the rear wheels can be turned freely, replace the rear brake pads. Follow the Repair Instructions REP 34 21 200 "Remove and install / replace brake pads of both disc brakes rear".

First loosen the nut on the parking brake lever completely, then slightly tighten the brake pistons with a special

tool into the brake caliper, as described in the repair instructions.



Note: When replacing the brake pads due to early wear, document the thickness of the front and rear

brake pads on the work order.

- Measure each individual brake pad on the rear axle with the caliper gauge.
- On the front axle, measure the outer brake pads with special tool 34 1 260. Refer to Repair Instructions REP 34 00 010 "Checking thickness of brake pad".

## WARRANTY INFORMATION

This service information bulletin provides technical, diagnostic and/or repair-related information.

### Eligible and Covered Work/Repairs

Under the terms of the MINI New Passenger Car Limited Warranty, based on the repair procedures outlined in this bulletin, if an eligible repair is performed to address a verified defect in materials or workmanship, claim as follows:

<b>Defect Code:</b>	<b>3441074000</b>	<b>Parking brake (Bowden) cable</b>
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Refer to KSD2/AIR for the corresponding flat rate labor operations (including diagnosis) and flat rate unit (FRU) allowances.

Only one Main operation code can be claimed per repair visit.

Work time labor operation codes require individual punch times and explanations on the repair order and in the claim comments section.

To submit a claim, please following the established and applicable warranty policy and procedures (Labor/Part/Sublet) that apply to the repair being performed.

Posted: Friday, April 13, 2018

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