



## BRAKE PAD MAINTENANCE SERVICES: BRAKE DISC RESURFACING GUIDELINES

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

This Service Information bulletin supersedes SI 34 10 16 **dated January 2017**.

### What's New:

- This bulletin's "procedure" now only applies when a "required" brake pad maintenance service is performed (Effective with the release of this updated bulletin)
- The Warranty Information section has been updated accordingly

### MODEL

All	With Standard Brake Discs/Rotors (Non-Drilled or Non-Ceramic Brake Disc/Rotors)
-----	---



### SITUATION

Vehicle comes to the workshop for a:

- Brake pad maintenance service (CBS/CBR displaying "Recommended" or "Due - brake pads are at or below 4 mm).

And, if applicable, this brake pad maintenance task is done in conjunction with either a:

- A. Vehicle inspection to address a customer's brake-related concern; and/or
- B. Complimentary multi-point or State mandated inspection;

And, your center's inspection of the vehicle confirms that the:

- **The brake discs/rotors surfaces are not suitable for the installation of new brake pads "alone" due to grooving/scoring and/or corrosion as described in the attachment to this bulletin**



### CORRECTION

When an axle's brake disc/rotor measured thicknesses are still above the minimum specification, the procedure of resurfacing the brake discs/rotors has been implemented as an alternative to their replacement, as outlined in this bulletin.

For each axle, as required and when permissible, resurface the brake discs/rotors with a BMW approved "on-car" brake lathe.



**Note:** Vehicles equipped with QMVH rear differential are excluded from rear rotor resurfacing.

### BMW Approved "On-Car" Brake Disc/Rotor Lathes:

For the list of BMW approved "on-car" brake disc/rotor lathe machines, refer to BMW Equipment Program ([www.bmwcentersolutions.com](http://www.bmwcentersolutions.com)).



**Attention: The BMW approved "on-car" brake lathe has been added to your workshop's list of required equipment (found in TIS/Tools & Equipment / BMW Workshop Equipment List).**

 By **February 15, 2017**, BMWNA will be providing a one-time Manufacturer's discount of \$1,500 per center applied as a miscellaneous credit to your center's non-vehicle billing account.

 This discount is to be used for purchasing of one of the approved machines listed in the **Equipment Program**. In exchange for this discount, all BMW centers will be required to submit their purchase order for the On-Car Brake lathe by **April 15th, 2017**.

 On and after **May 1, 2017**, all BMW centers will be required to follow the corresponding service information bulletins. Any rotors submitted for reimbursement under Warranty will be subject to review by the Warranty Parts Return Center and subject to debit, if found suitable for machining.

If you have any concerns about making the purchase of the On-Car Brake Lathe, please contact the Warranty Department at [warrantydealerreviews@bmwna.com](mailto:warrantydealerreviews@bmwna.com).

## PROCEDURE

1. Compare the discs/rotors condition from the repaired vehicle, with the "classification" examples provided in the "Attachment\_B341016\_Categorization".
2. Measure the brake disc/rotor thicknesses on the applicable axle(s).
3. Proceed as follows:

### Brake Discs/Rotors are "at or below" the Minimum Specification

- **All Attachment Categorizations:**

If a brake disc/rotor thicknesses on an axle are **at or below the minimum** specification, **replace** the brake discs/rotors.

### Brake Discs/Rotors are "above" the Minimum Specification

- **Attachment Categorizations: CATEGORY 1**

If the brake disc/rotor thickness measurements are **above the minimum** specification, **re-use** the existing discs/rotors when performing a brake pad maintenance service (**resurfacing or replacement is not necessary**).

- **Attachment Categorizations: CATEGORY 2**

If the measured brake disc/rotor thicknesses are:

**Above the minimum thickness specification (stamped on the rotor, or from the ISTA "Brake Replacement" repair instruction/Technical Data) PLUS 0.5 mm;**

Then the brake discs/rotors on that axle should be **resurfaced** using a BMW approved on-car brake disc lathe

**Note:** Only if your center is not equipped with a BMW approved on-car brake disc lathe, a brake disc/rotor replacement is then permissible.

- **Attachment Categorization: CATEGORY 3**

**Replace** the brakes discs/rotors.



Note: For CATEGORY 2, if your center is not equipped with a BMW approved on-car brake disc lathe, a brake disc/rotor replacement for this category is not permissible or claimable

- **Attachment Categorization: CATEGORY 3**

**Replace** the brakes discs/rotors.



**Note: Claims for brake discs which are replaced, the parts may be requested by WPRC for return/inspection.**

Part Number	Description	Quantity
Refer to ETK	Front brake pads (Set)	1
Refer to ETK	Rear brake pads (Set)	1
Refer to ETK	Brake pad paste	2 per axle

And, if necessary:

Refer to ETK	Front brake Discs/Rotor*	2
Refer to ETK	Rear brake Discs/Rotor*	2

Also refer to ETK (EPC) and the repair instructions for information about onetime use fasteners, other screws/bolts, gaskets and seals that must also be replaced while performing this repair.



**Note\*: Replace only as outlined in the "Attachment Categorizations."**



## **WARRANTY INFORMATION**

**Per the attachment, when Categorizations 2 and 3 Apply**

### **BMW Maintenance Programs (up to and including 4 years or 50,000 miles)**

When one of the following programs are active:

- BMW Maintenance Program (up to 4/50) - Up to and including model year 2016 vehicles; or the
- Optional BMW Ultimate Care + "Full Maintenance Programs" (Up to 3/36 or 4/50 as applicable) - Model year 2017 vehicles and newer:

Brake disc resurfacing, or as required, replacement (front, rear or both), in conjunction with a required brake pad maintenance service task (replacement) is covered.

Claim and submit the brake disc repair portion separately from the brake pad maintenance service task as follows (in addition to the Standard scope):

### **Front Brakes**

<b>Defect Code:</b>	<b>85810175MP</b>	<b>Brake Pads – Front in conjunction with brake disc resurface/replace</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 612	Refer to KSD2	Service, front brakes

And, as applicable, claim the front brake disc repair portion separately as follows:

<b>Defect Code:</b>	<b>3411005400</b>	<b>Brake disc, front – Scratches, score marks</b>
	<b>Or:</b>	
	<b>3411007500</b>	<b>Brake disc, front – Corroded</b>

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
34 11 667	Refer to KSD2	Fine grind both sides of both front brake discs (Brake caliper removed)
Or:		
34 11 613	Refer to KSD2	Removing and installing or replacing front brake discs (Brake pads removed)
Or:		
34 11 612	Refer to KSD2	Removing and installing or replacing front brake discs (Brake caliper removed)

Or:

#### Rear Brakes

<b>Defect Code:</b>	<b>85810275MP</b>	<b>Brake Pads – Rear in conjunction with brake disc resurface/replace</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 614	Refer to KSD2	Service, rear brakes

And, as applicable, claim the rear brake disc repair portion as follows:

<b>Defect Code:</b>	<b>3421005400</b>	<b>Brake disc, rear - Scratches, score marks</b>
<b>Or:</b>		
	<b>3421007500</b>	<b>Brake disc, rear – Corroded</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
34 21 947	Refer to KSD2	Fine grind both sides of both rear brake discs (Brake caliper removed)
Or:		
34 21 932	Refer to KSD2	Removing and installing or replacing rear brake discs (Brake pads removed)
Or:		
34 21 931	Refer to KSD2	Removing and installing or replacing rear brake discs (Brake caliper removed)

Or:

#### Front and Rear Brakes

<b>Defect Code:</b>	<b>85810375MP</b>	<b>Brake Pads – Front and Rear in conjunction with brake disc resurface/replace</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>

00 00 613	Refer to KSD2	Service, front brake/rear brake
-----------	---------------	---------------------------------

And, as necessary, in conjunction with the **Defect Code 85 81 03 75 MP** line item:

- Claim the applicable front and/or rear brake disc repair portion (**Defect Codes, labor operations and parts**) separately from the brake pad maintenance service task the same as noted above.

**Within 4/50 Summary: Brake Pads and Discs - Defect Code Summary:**

Axle	Front	Rear	Front and Rear
<b>Vehicle's Current: Age/Mileage</b>	<b>Up to 50,000 miles</b>		
<b>Up to and including Month 48</b>	<b>85 81 01 75 MP</b>	<b>85 81 02 75 MP</b>	<b>85 81 03 75 MP</b>
<b>34 11 00 54 00</b>	<b>34 21 00 54 00</b>	<b>34 11 00 "54 or 75" 00</b>	
<b>34 11 00 75 00</b>	<b>34 21 00 75 00</b>	<b>34 21 00 "54 or 75" 00</b>	

Or:

**BMW Maintenance Programs (beyond 4 years or 50,000 miles)**

When one of the following programs are active:

- BMW Maintenance Program Optional Upgrade (**4/50 to 6/100**) - Up to and including model year 2016 vehicles; or the
- Optional BMW Ultimate Care + "Full Maintenance Programs" (**60/75, 72/100 or 84/125 as applicable**) - Model year 2017 vehicles and newer

Brake disc resurfacing, or as required, replacement (front, rear or both), in conjunction with a required brake pad maintenance service task (replacement) is covered.

Claim and submit the brake disc repair portion **together** with the corresponding brake pad maintenance service task Defect Code as follows:

**Front Brakes**

<b>Defect Code:</b>	<b>85820175MP</b>	<b>Brake Pads – Front in conjunction with brake disc resurface/replace</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 612	Refer to KSD2	Service, front brakes
And:		
34 11 667	Refer to KSD2	Fine grind both sides of both front brake discs (Brake caliper removed)
Or:		
34 11 613	Refer to KSD2	Removing and installing or replacing front brake discs (Brake pads removed)
Or:		
34 11 612	Refer to KSD2	Removing and installing or replacing front brake discs (Brake caliper removed)

Or:

### Rear Brakes

<b>Defect Code:</b>	<b>85820275MP</b>	<b>Brake Pads – Rear in conjunction with brake disc resurface/replace</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 614	Refer to KSD2	Service, rear brakes
And:		
34 21 947	Refer to KSD2	Fine grind both sides of both rear brake discs (Brake caliper removed)
Or:		
34 21 932	Refer to KSD2	Removing and installing or replacing rear brake discs (Brake pads removed)
Or:		
34 21 931	Refer to KSD2	Removing and installing or replacing rear brake discs (Brake caliper removed)

Or:

### Front and Rear Brakes

<b>Defect Code:</b>	<b>85820375MP</b>	<b>Brake Pads – Front/Rear in conjunction with brake disc resurface/replace</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 613	Refer to KSD2	Service, front brake/rear brake

And, as necessary, under **Defect Code 85 82 03 75 MP**:

- Claim the applicable front and/or rear brake disc repair portion (**labor operations and parts**) “together” with the brake pad replacement as noted above.

### Beyond 4/50: Brake Pads and Discs - Defect Code Summary:

<b>Axle</b>	<b>Front</b>	<b>Rear</b>	<b>Front and Rear</b>
<b>Vehicle's Current: Age/Mileage</b>	<b>50,001 miles and higher as allowable by the “MP” Upgrade</b>		
<b>Month 49 and older as allowable by the “MP” Upgrade</b>	<b>85 82 01 75 MP</b>	<b>85 82 02 75 MP</b>	<b>85 82 03 75 MP</b>



**Note:** The brake pad replacement flat rate labor operations include measuring the thickness of the corresponding brake discs/rotors.

## ATTACHMENTS

View PDF attachment [Attachment B341016 Categorization.](#)

[ Copyright ©2017 BMW of North America, Inc. ]