



BRAKE PAD MAINTENANCE SERVICES: BRAKE DISC RESURFACING GUIDELINES

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

MODEL

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

SITUATION

Vehicle comes to the workshop for a:

- A. Brake pad maintenance service (CBS/CBR displaying “Recommended” or “Due”); or
- B. Vehicle inspection to address a customer’s brake-related concern; or
- C. Complimentary multi-point or State mandated inspection;

And:

The brake discs/rotors surfaces are found not suitable for the installation of new brake pads due to grooving/scoring and/or corrosion as described in the attachment.

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.



UPDATE!

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).



UPDATE!

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 should be used for the 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 a purchase order for the On-Car Brake lathe by **April 15th, 2017**.

On **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.

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: 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

Situation “A, B, C” when Attachment Categorizations 2 and 3 Apply

BMW Maintenance Program and Optional Upgrade Programs - Up to and including model year 2016 vehicles; or the Optional BMW Ultimate Care + “Full Maintenance Programs” - Model year 2017 vehicles and newer.

When the applicable above program or optional programs are active and in conjunction with a “covered” maintenance service brake pad replacement, brake discs/rotors:

- Fine grinding (Centers with an approved “On-Car” Brake Disc/Rotor Lathe); and/or
- Replacement portion;

Are covered under the terms of the BMW New Vehicle Limited Warranty (**4 years/50,000 miles**) for Passenger Cars and Light Trucks.

Claim Submission

For brake pad replacement repairs where the corresponding brake discs/rotors are “at or below” the minimum specification and this repair is eligible for coverage under an applicable maintenance program:

- Claim both the brake pad and disc/rotor replacement repair by utilizing the standard BMW Maintenance Program defect codes and KSD2 flat rate labor operations.

Categorizations 2 – Brake Disc/Rotor Portion

For brake discs/rotors that are eligible for fine grinding and your center **has** approved “On-Car” Brake Disc/Rotor Lathe:

- Please refer to the brake disc/rotor **defect codes and KSD2 flat rate labor operations** listed below.

For brake discs/rotors that are eligible for fine grinding but your center **does not have** the approved “On-Car” Brake Disc/Rotor Lathe:

- Please refer to the **defect codes listed below and the corresponding KSD2 flat rate labor operation** for replacing the brake discs/rotors.

Front Axle Only: Fine Grinding – Categorizations “2”

Defect Code:	34 11 00 54 00	Brake disc, front – Scratches, score marks
	Or:	
	34 11 00 75 00	Brake disc, front – Corroded

With the applicable Defect Code above, for

Non-Maintenance Repair

Labor Operation:	Labor Allowance:	Description:
34 11 000	Refer to KSD2	Removing and installing or replacing brake pads of both front brake disc brakes (Main work)

Or:		
34 11 505	Refer to KSD2	Removing and installing or replacing brake pads of both front brake disc brakes (Plus work)
Or:		
34 11 510	Refer to KSD2	Removing and installing or replacing brake pads of both front brake disc brakes (Wheels removed)
And:		
34 11 667	Refer to KSD2	Fine grind both sides of both front brake discs (Brake caliper removed)

If you are using a Main labor code for another repair, use the Plus code labor operation 34 11 505 instead or if the wheels are already removed, then use labor operations 34 11 510.

Or, performed

In conjunction with a Maintenance Program Brake Pad Replacement Service

Labor Operation:	Labor Allowance:	Description:
34 11 667	Refer to KSD2	Fine grind both sides of both front brake discs (Brake caliper removed)

Rear Axle Only: Fine Grinding – Categorizations “2”

Defect Code:	34 21 00 54 00	Brake disc, rear - Scratches, score marks
	Or:	
	34 21 00 75 00	Brake disc, rear - Corroded

With the applicable Defect Code above, for

Non-Maintenance Repair

Labor Operation:	Labor Allowance:	Description:
34 21 200	Refer to KSD2	Removing and installing or replacing brake pads of both rear disc brakes (Main work)
Or:		

34 21 739	Refer to KSD2	Removing and installing or replacing brake pads of both rear brake disc brakes (Plus work)
Or:		
34 21 740	Refer to KSD2	Removing and installing or replacing brake pads of both rear brake disc brakes (Wheels removed)
And:		
34 21 947	Refer to KSD2	Fine grind both sides of both rear brake discs (Brake caliper removed)

If you are using a Main labor code for another repair, use the Plus code labor operation 34 21 739 instead or if the wheels are already removed, then use labor operations 34 21 740.

Or, performed

In conjunction with a Maintenance Program Brake Pad Replacement Service

Labor Operation:	Labor Allowance:	Description:
34 21 947	Refer to KSD2	Fine grind both sides of both rear brake discs (Brake caliper removed)

Or:

Front and Rear Axles: Fine Grinding – Categorizations “2”

Defect Code:	34 11 00 54 00	Brake disc, front – Scratches, score marks
	Or:	
	34 11 00 75 00	Brake disc, front – Corroded

With the applicable Defect Code above, for

Non-Maintenance Repair

Labor Operation:	Labor Allowance:	Description:
34 11 010	Refer to KSD2	Replacing brake pads of front and rear brake disc brakes (Main work)
Or:		
		Replacing brake pads of front and rear

34 11 514	Refer to KSD2	brake disc brakes (Plus work)
Or:		
34 11 515	Refer to KSD2	Replacing brake pads of front and rear brake disc brakes (Wheels removed)
And:		
34 11 667	Refer to KSD2	Fine grind both sides of both front brake discs (Brake caliper removed)
And:		
34 21 947	Refer to KSD2	Fine grind both sides of both rear brake discs (Brake caliper removed)

If you are using a Main labor code for another repair, use the Plus code labor operation 34 11 514 instead or if the wheels are already removed, then use labor operations 34 11 515.

Or, performed

In conjunction with a Maintenance Program Brake Pad Replacement Service

Labor Operation:	Labor Allowance:	Description:
34 11 667	Refer to KSD2	Fine grind both sides of both front brake discs (Calipers removed)
And:		
34 21 947	Refer to KSD2	Fine grind both sides of both rear brake discs (Calipers removed)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.



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](#).

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