



To All Lamborghini Dealers and Licensed Service Point
From Customer Service Department
Subject CCB Fasteners Replacement.
Group 6.15.00
Date 04th/10/2013
Pages 17

Subject

CCB Fasteners Replacement.

Model

All Lamborghini Murcièlago Coupe; Roadster and Reventon MY06,07,08,09 and 10 from VIN 6LA01713 to ALA04099.

Warning: some vehicles included in this VIN range may not be involved, so check carefully on the Lamborghini WEB Portal (at the section named VIN Info) if the cars in your workshop or in your dealer stock are involved before performing any other operation.

Information to the field

As a result of continuous product monitoring, Automobili Lamborghini Spa has found that on vehicles fitted with carbon ceramic discs (CCB) brakes, the stainless steel screws fixing the rotor to the metal bell may fail due to stress corrosion cracking, if the vehicle has been used in extreme salt environments.

Field solution

Replace the CCB fasteners.

Spare Parts

P/N	Description	Q
0R1400660	Fasteners Kit: 40 plastic little bags each one containing: 1. Bolt Q.1 2. Washer Q.1 3. Sleeve Q1 4. Retaining washer with dished pressure springs (held together with cable tie) Q.1 5. Nut. Q.1	1

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Replaced Fasteners management

The replaced items have to be stored with care and tagged with the proper label.

They can be scrapped only with approval of the Service Area Manager in charge and at his presence.

Warranty Claim data

The warranty reimbursement request for this rework action will be managed by the following standard Warranty Claim procedures.

Campaign Code: L82X-R.01.13 / L82X-R.02.13
Campaign Description: CCB Fasteners replacement
Cost Code: 60
Component Code: CCR0113
Trouble Code: 220
Labour Code: CCR0113100
Labour Time: 3h

Remember to fill all data in the section “Service and Recall Campaign” in the Warranty booklet of the vehicle as shown below.



Automobili Lamborghini S.p.A.			
Campagne service assistenza e campagne di richiamo / Service- und Rückrufaktion / Service and Recall Campaign			
Service et campagne de rappel / Campaña de Servicio y Llamada a Taller			
Service/Service Servizio	<input type="checkbox"/>	Richiamo/Rückruf Recall/Rappel Llamada a Taller	<input type="checkbox"/>
Numero/Nummer Number/Numéro Número	<input type="text"/>		
Data/Datum/Date/Date/Fecha	<input type="text"/>		
Data riparazione/Reparaturdatum Repair Data/Date de réparation Fecha reparación	<input type="text"/>		
Eseguito dal Concessionario / Ausgeführt von der Vertragswerkstatt / Done by the Dealer Effectué par le concessionnaire / Efectuado por el Concessionario			
Firma / Unterschrift / Signature / Signature / Firma			
Service/Service Servizio	<input type="checkbox"/>	Richiamo/Rückruf Recall/Rappel Llamada a Taller	<input type="checkbox"/>
Numero/Nummer Number/Numéro Número	<input type="text"/>		
Data/Datum/Date/Date/Fecha	<input type="text"/>		
Data riparazione/Reparaturdatum Repair Data/Date de réparation Fecha reparación	<input type="text"/>		
Eseguito dal Concessionario / Ausgeführt von der Vertragswerkstatt / Done by the Dealer Effectué par le concessionnaire / Efectuado por el Concessionario			
Firma / Unterschrift / Signature / Signature / Firma			

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Description of required procedures

Necessary Tool:

1	Torx wrench T80.	 TOO_83x13_0000001
2	Wheel insertion tool (P/N 65395009).	 TOO_83x13_0000002
3	Torque wrench [0 – 25 Nm]. (P/N 900000329)	MANDATORY / SEND AUTOMATICALLY.

Identification



1	<p>See the illustration below to distinguish the old type of bolts from the new.</p> <div> <div>Original</div> <div>New</div> </div> 
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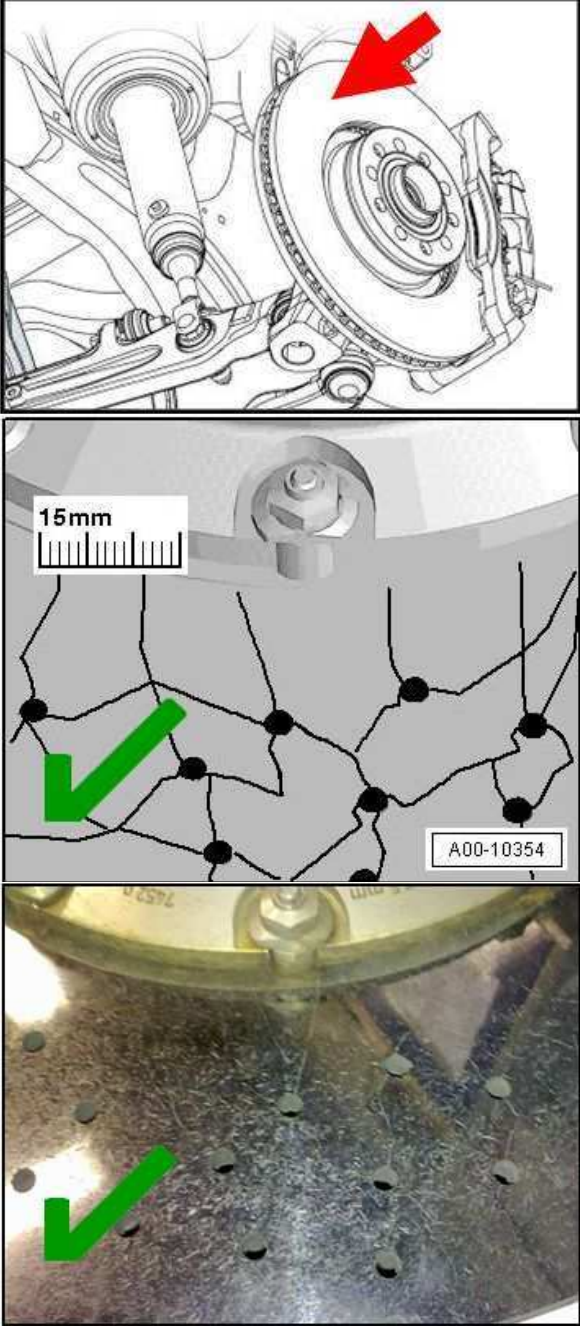
Checking ceramic brake disc for damage:

- A. Disc inside surface
- B. Disc outside surface


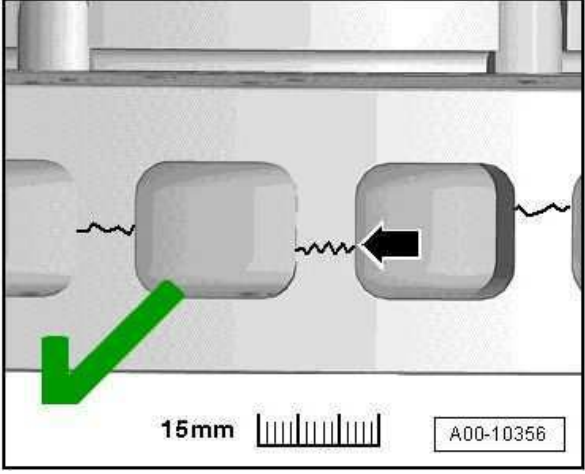
2	<p>Remove the ceramic brake discs.</p> <p> CAUTION!</p> <p>On vehicles with ceramic brakes the wheel must not be allowed to drop on- to the brake disc. This would cause irreparable damage to the disc. Screw two assembly pins (from vehicle tool kit) into the wheel bolt holes when removing and fitting a wheel. Insert the longer assembly pin into the top hole.</p> <p></p> <p>Please perform a first wear check on brake discs per workshop manual to ensure campaign fulfillment is performed in specification brake discs.</p> <p>If during the checking it is found that rotors replacement is necessary (conditions are following described) file a Quick claim choosing “technical support” support in Warranty Portal before starting the replacement.</p> <p>The description of discs condition must be reported in a clear form attaching pictures showing clearly the reason of your request. You will get a quick reply.</p>
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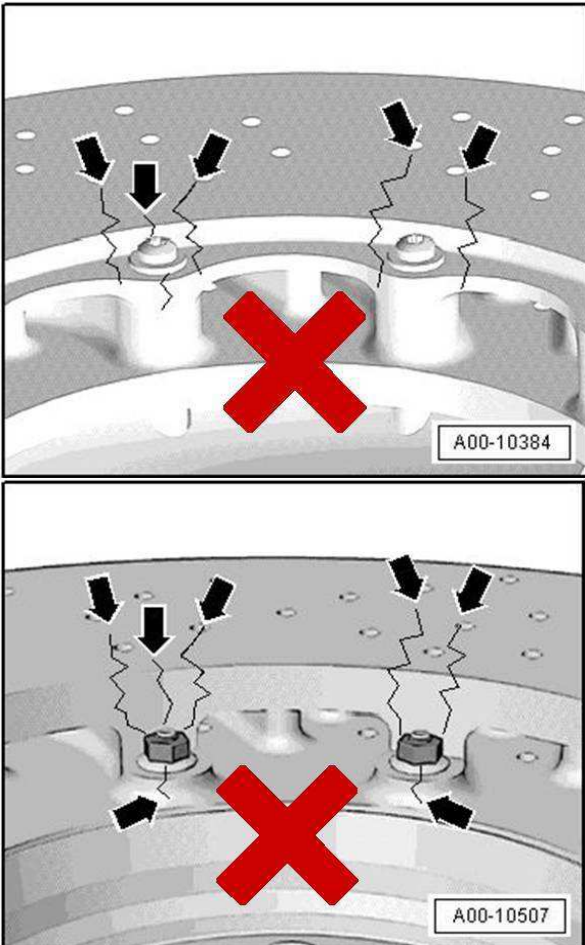
Outside surface of brake disc

<p>3</p>	<p>Due to the production process, relaxation cracks already exist on the friction surface of the brake disc when it is new. These cracks can vary in size and can occur on both sides of the disc.</p> <p></p> <p>Relaxation cracks on a ceramic brake disc do not constitute a technical problem.</p>	
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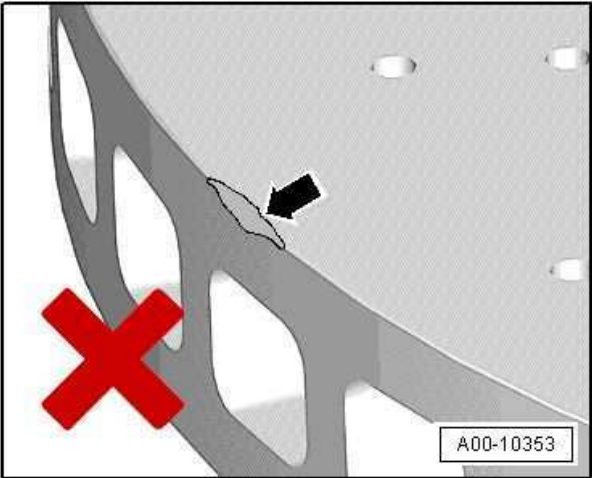
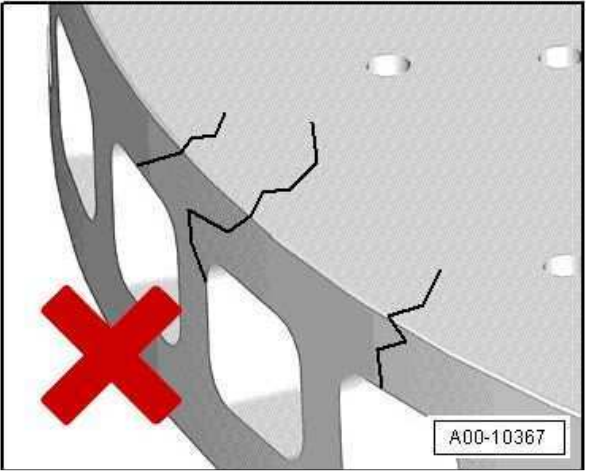
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<p>4</p>	<p>Cracks in the cooling channel lands -arrow- are caused during manufacture.</p> <p></p> <p>Cracks in the cooling channel lands do not constitute a technical problem.</p>	
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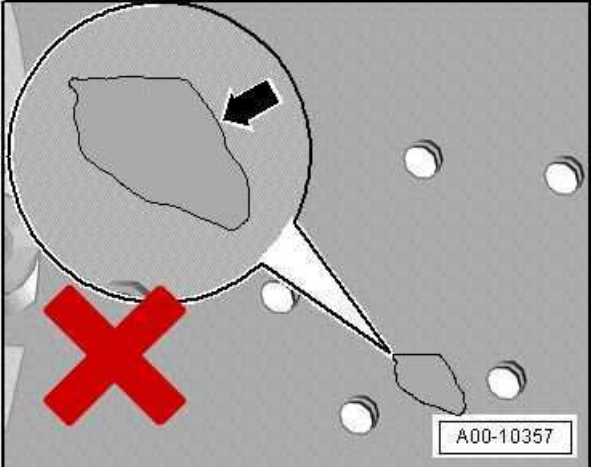
A. Inside surface of brake disc:

<p>5</p>	<p>Ceramic brake discs must be replaced if there are cracks in the vicinity of the bolted connection on the inside of the brake disc hub extending into the friction surface of the disc (arrows).</p> <p>Ceramic brake discs must be replaced if there are radial cracks in the area of the bolted connection on the brake disc hub.</p>	
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<p>6</p>	<p>Edge fractures -arrow- are caused by mechanical damage to the edges of the disc.</p> <p>Permissible damage:</p> <ul style="list-style-type: none"> • Max. width / depth = 2 mm • Max. length = 10 mm • Max. 3 edge fractures per brake disc <p>If any of the criteria listed above are exceeded, the brake disc must be replaced.</p> <p><u>File a Quick claim before replacing.</u></p>	
<p>7</p>	<p>Ceramic brake discs with cracking extending from the friction surface of the disc to the cooling channel or through the cooling channel must be replaced.</p> <p><u>File a Quick claim before replacing.</u></p>	

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8	<p>Ceramic brake discs with chipping larger than 1 cm² at any one point -arrow- on the friction surface must be replaced.</p> <p><u>File a Quick claim before replacing.</u></p>	 <p>The diagram shows a grey brake disc with several circular holes. A large red 'X' is overlaid on the disc. A magnifying glass is positioned over a large, irregular chip on the disc's surface. An arrow points to the chip. A small label in the bottom right corner of the magnified area reads 'A00-10357'.</p>
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Replacing fasteners

Option 1:

using the engine and gearbox support (P/N 69195227) and universal adaptor (P/N 69195257).



If you need engine and gearbox support and/or universal adaptor please order.

9	<p>After removal, attach the ceramic brake disc either directly to the engine and gearbox support (P/N 69195227) and universal adaptor (P/N 69195257).</p>	
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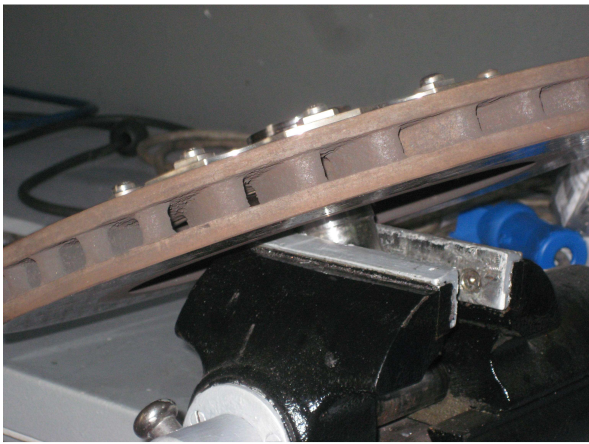




Option 2:


using the campaign tool (P/N 63153000044) as support.





PLEASE DO NOT USE the vehicle hub, BUT ORDER THE SPECIAL TOOL (P/N 63153000044).

1	<p>After removal and inspection, attach the ceramic brake to the special tool (P/N 63153000044) as described in the 2 following steps.</p>	
2	<p>Secure the special tool (P/N 63153000044) in a vice.</p>  <p>It is recommended to produce flats on the hub to improve stability in the vice jaws.</p>	


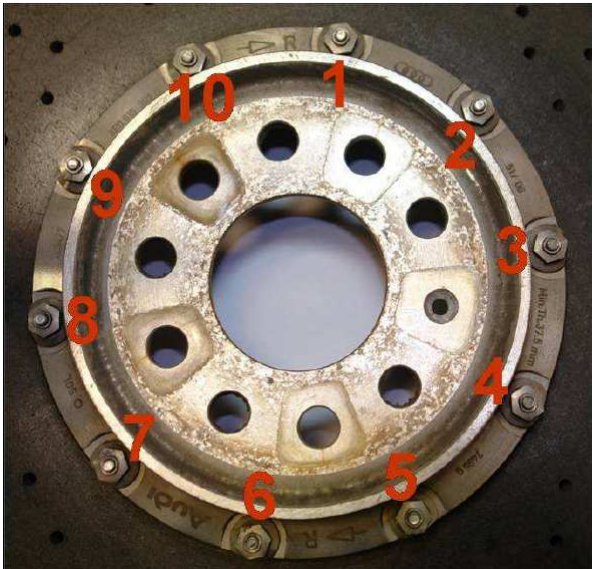

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<p>3</p>	<p>Mount the disc onto the hub using bolts to lock the hub with bolt to enable the controlled tightening of the new fasteners.</p>	
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Front and rear axle


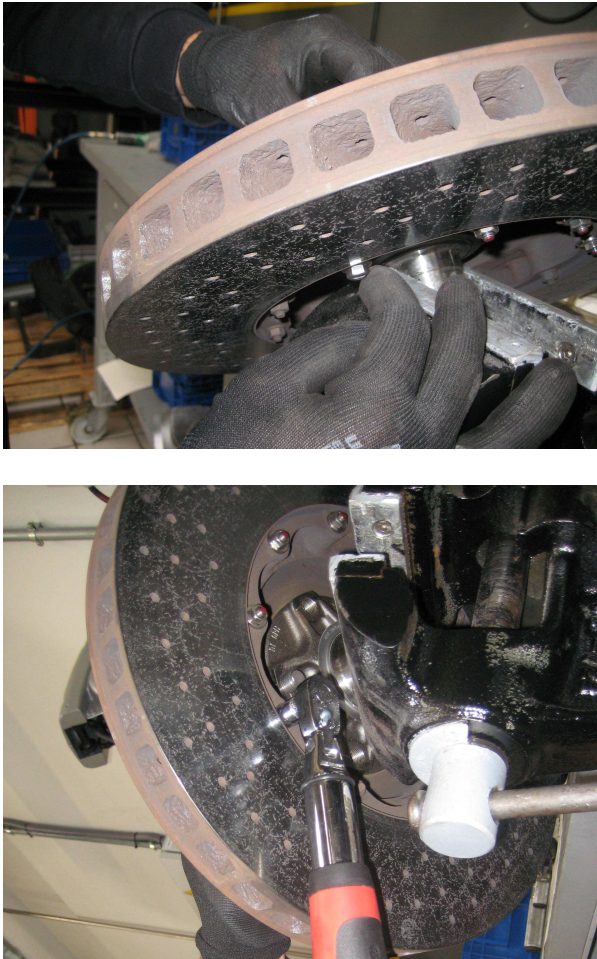
<p>10</p>	<ol style="list-style-type: none"> 1. Bolt 2. Washer 3. Sleeve 4. Retaining washer with dished pressure springs (held together with cable tie) 5. Nut. <div data-bbox="260 1205 333 1276" data-label="Image">  </div> <p>Do not open cable tie until parts have been fitted.</p>	
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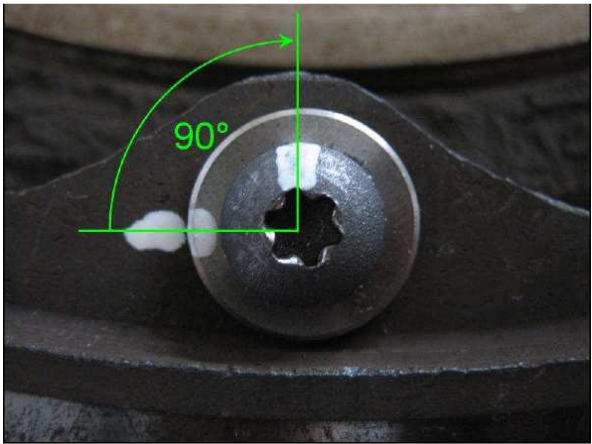
11	<p>Replace fasteners 1...10.</p> <p></p> <p>Replace the fasteners one after the other. <u>Do not loosen and replace more than one fastener at a time.</u></p>	
12	Remove one fastener.	
13	Fit sleeve (3) from outside.	

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Inside:

<p>14</p>	<p>Fit the Bolt (1) and Washer (2)</p>	
<p>15</p>	<p>Tighten bolt (1) with washer (2). Tightening torque: 4 Nm</p>	

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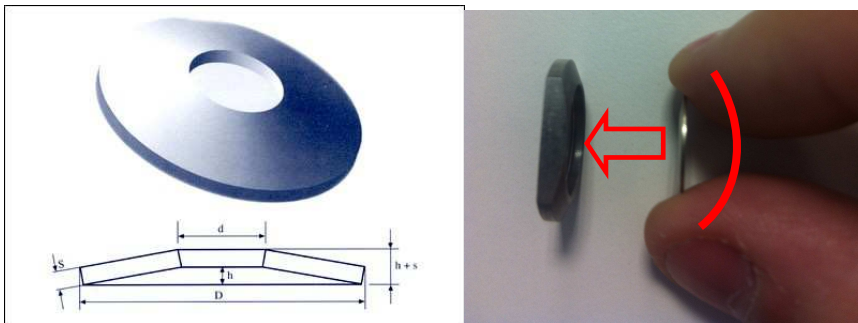
16	Mark bolt.	
17	Turn bolt 90° further (1/4 turn) .	

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Outside:



PLEASE NOTE that the dished pressure springs (included in number (4)) has a way: CONVEX PART MUST BE PLACED AS SHOW below:



For this reason you will find the retaining washer with dished pressure springs held together with cable tie.

18	Fit the sleeve retaining washer with dished pressure springs (4) and then (but not before) cut open cable tie.	
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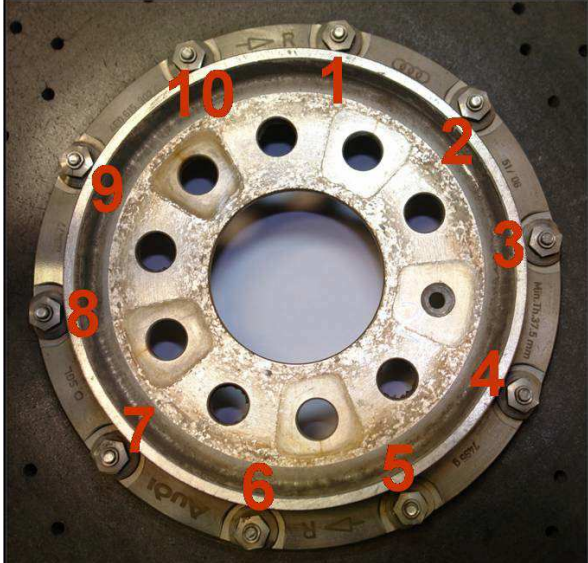
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- 19** Make sure that the retaining washer is fitted in the correct position, as shown in illustration.



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20	<p>Counterhold bolt (5) and tighten nut.</p> <p>Tightening torque: 10 Nm</p>	
21	<p></p> <p>Replace the fasteners one after the other. Do not loosen and replace more than one fastener at a time!</p>	
22	Repeat for all discs.	
23	Please ensure proper braking operation before realising the vehicle to the customer.	

Please contact your Area Manager for any further information.

Yours sincerely

Customer Service.

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