



To All Lamborghini Dealers and Licensed Service Point  
From Customer Service Department  
Subject CCB Fasteners Replacement.  
Group 6.15.00  
Date 04<sup>th</sup>/10/2013  
Pages 15

### Subject

CCB Fasteners Replacement

### Model

All Lamborghini Gallardo Coupe and Spyder MY 09 from VIN 9LA06526 to VIN 9LA08928.

**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
0R1400661	Fasteners Kit A. Front axle (4F0498998F), 20 little plastic bags containing: 1 Bolt Q.1 2 Sleeve Q.1 3 Nut. Q.1 4 Washer Q.1 B. Rear axle (4F0498998F), 20 little plastic bags containing: 1 Bolt Q.1 2 Sleeve Q.1 3 Nut. Q.1 4 Washer 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:** L71X-R.02.13  
**Campaign Description:** CCB Fasteners replacement  
**Cost Code:** 60  
**Component Code:** CCR0213  
**Trouble Code:** 220  
**Labour Code:** CCR0213100  
**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 Concesionario			
Firma / Unterschrift / Signature / Signatura / Firma			
<hr/>			
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 Concesionario			
Firma / Unterschrift / Signature / Signatura / 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)	<b>MANDATORY / SEND AUTOMATICALLY.</b>

### 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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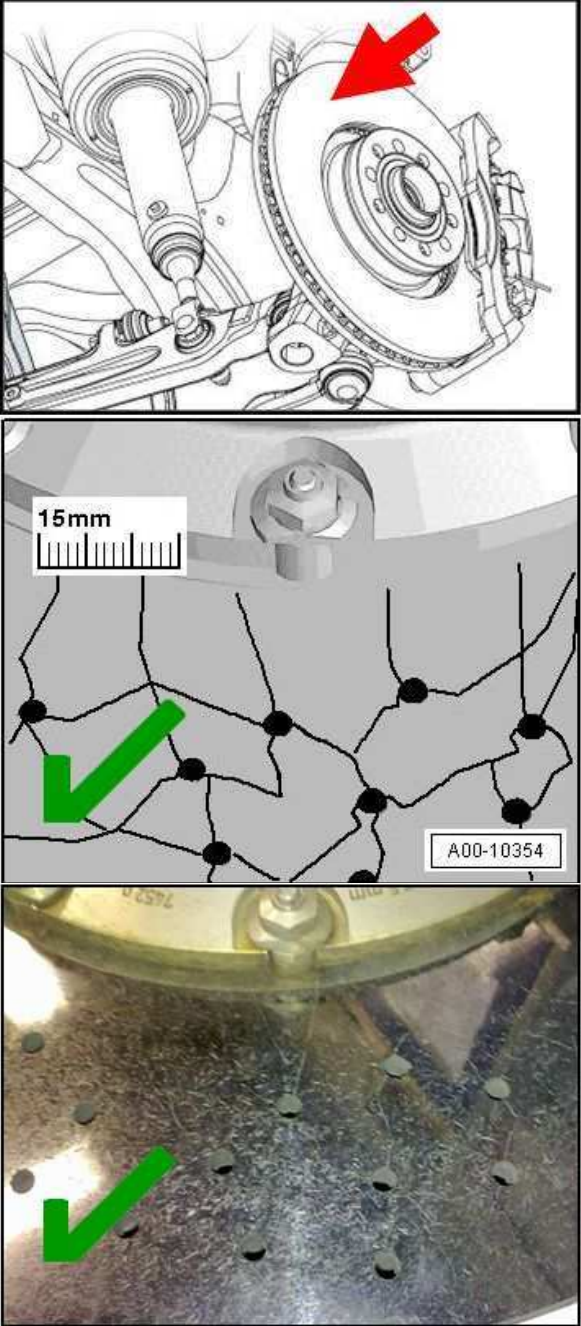
## Checking ceramic brake disc for damage:

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


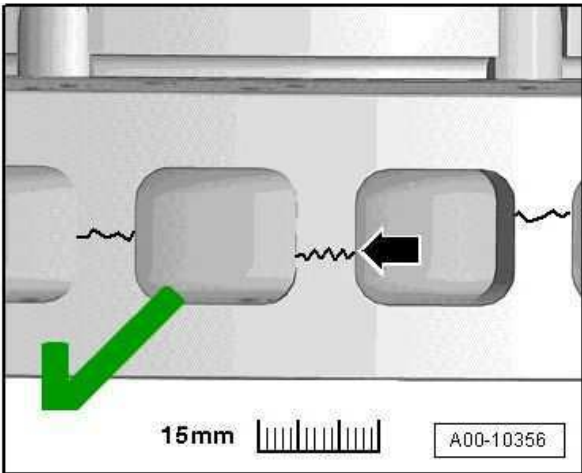
4	<p>Remove the ceramic brake discs (refer to chapter 06 0703 of Gallardo 09 Workshop Manual).</p> <p> <b>CAUTION!</b></p> <p><b>On vehicles with ceramic brakes the wheel must not be allowed to drop on-to the brake disc. This would cause irreparable damage to the disc. Screw two assembly pins (from vehicle tool kit) into the wheel bolt holes when removing and fitting a wheel. Insert the longer assembly pin into the top hole.</b></p> <p></p> <p><b>Please perform a first wear check on brake discs per workshop manual to ensure campaign fulfillment is performed in specification brake discs.</b></p> <p>If during the checking it is found that rotors replacement is necessary (conditions are following described) <b>file a Quick claim choosing “technical support” support in Warranty Portal before starting the replacement.</b></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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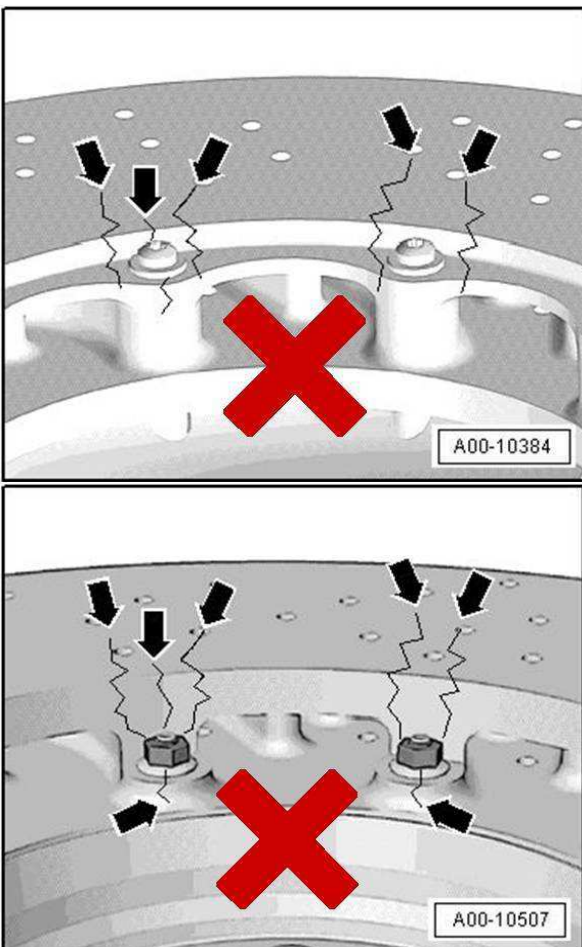
## A. Outside surface of brake disc

<p>5</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><b>Relaxation cracks on a ceramic brake disc do not constitute a technical problem.</b></p>	
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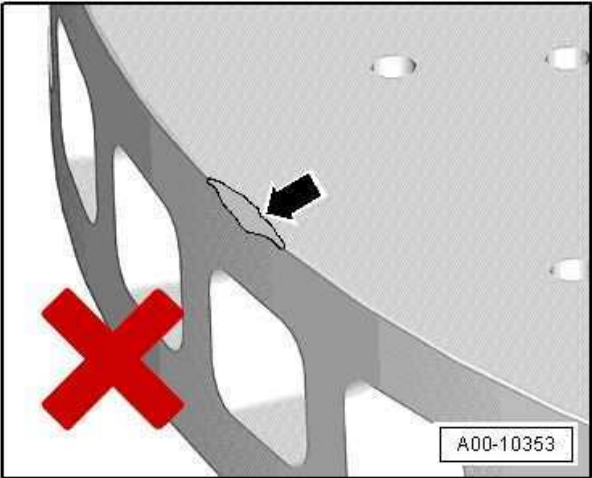
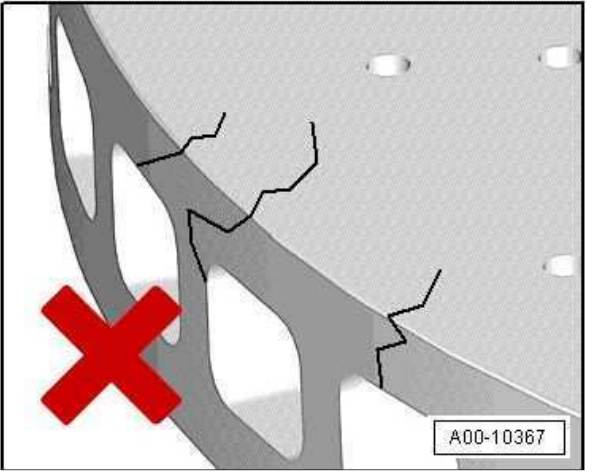
<p>6</p>	<p>Cracks in the cooling channel lands -arrow- are caused during manufacture.</p> <p></p> <p><b>Cracks in the cooling channel lands do not constitute a technical problem.</b></p>	
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## B. Inside surface of brake disc:

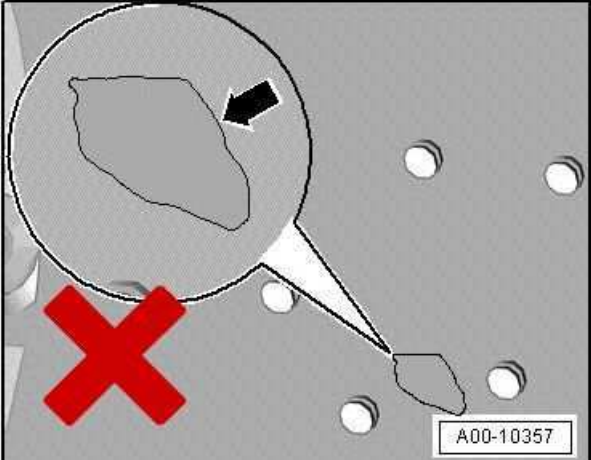
<p>7</p>	<p>Ceramic brake discs must be replaced if there are cracks in the vicinity of the bolted connection on the inside of the brake disc hub extending into the friction surface of the disc (arrows).</p> <p>Ceramic brake discs must be replaced if there are radial cracks in the area of the bolted connection on the brake disc hub.</p>	
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<p>8</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"> <li>• Max. width / depth = 2 mm</li> <li>• Max. length = 10 mm</li> <li>• Max. 3 edge fractures per brake disc</li> </ul> <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>9</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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<b>10</b>	<p>Ceramic brake discs with chipping larger than 1 cm<sup>2</sup> 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 chip on the disc's surface. An arrow points to the chip, and a label 'A00-10357' is visible in the bottom right corner of the magnified area.</p>
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## Replacing fasteners

### 1<sup>st</sup> Option

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.**

11	<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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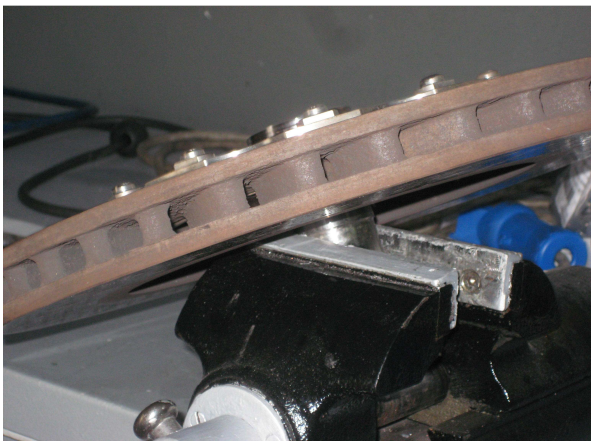


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## Option 2:


using a spare parts hub (P/N 4D0407613E) as support.



**PLEASE DO NOT USE the vehicle hub, BUT ORDER a NEW ONE (P/N 4D0407613E).**


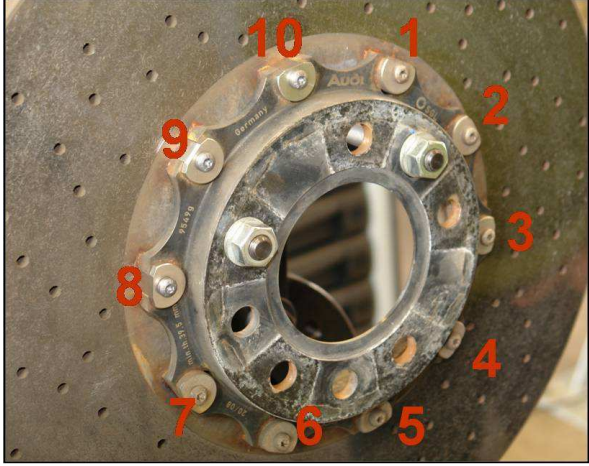
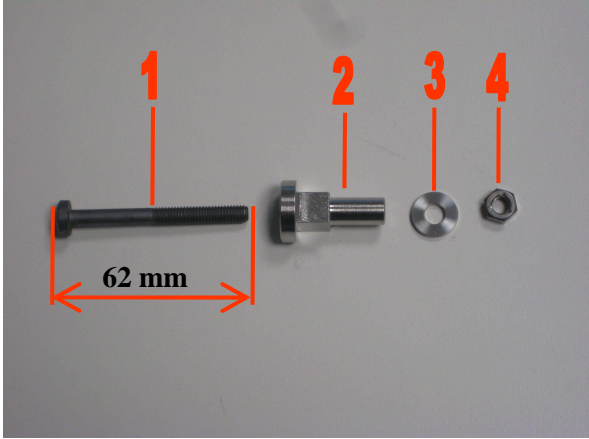
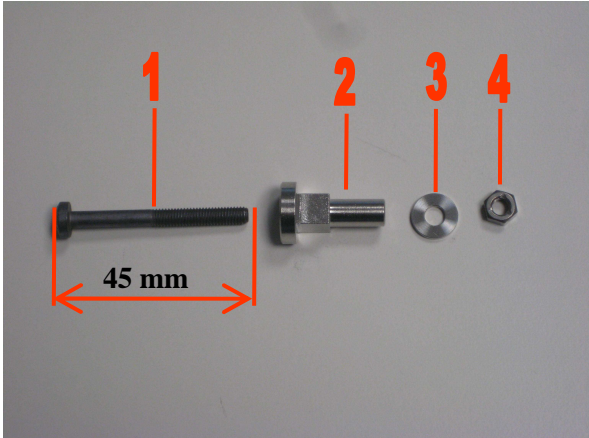
12	<p>After removal and inspection, attach the ceramic brake to nub (P/N 4D0407613E) as described in the 2 following steps.</p>	
13	<p>Secure the hub (P/N 4D0407613E) in a vice.</p>  <p><b>It is recommended to produce flats on the hub to improve stability in the vice jaws.</b></p>	

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<b>14</b>	<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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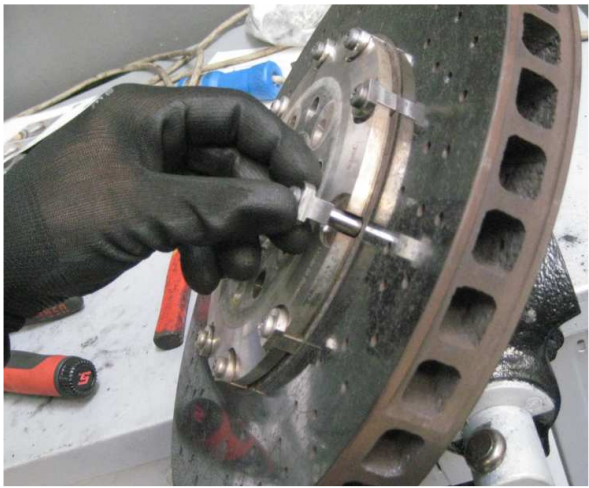
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## Front & rear axle.

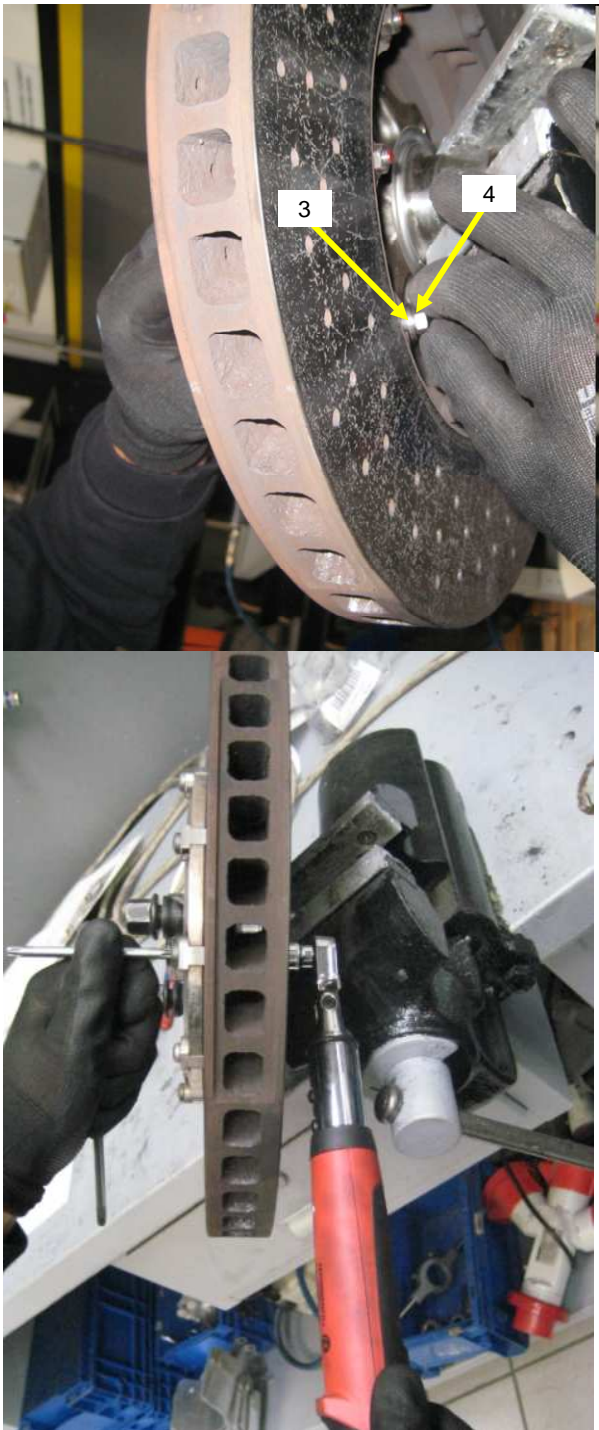
<p>15</p>	<p>Replace fasteners 1...10.</p>  <p>Replace the fasteners one after the other. <u>Do not loosen and replace more than one fastener at a time!</u></p>	
<p>16</p>	<p>1 Bolt 2 Sleeve 3 Washer 4 Nut.</p>	<p><b>Front axle - 4F0498998F</b></p>  <p><b>Rear axle - 4F0498998E</b></p> 

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5	Remove a single fastener.	
6	Fit sleeve (2) and bolt (1) from outside	



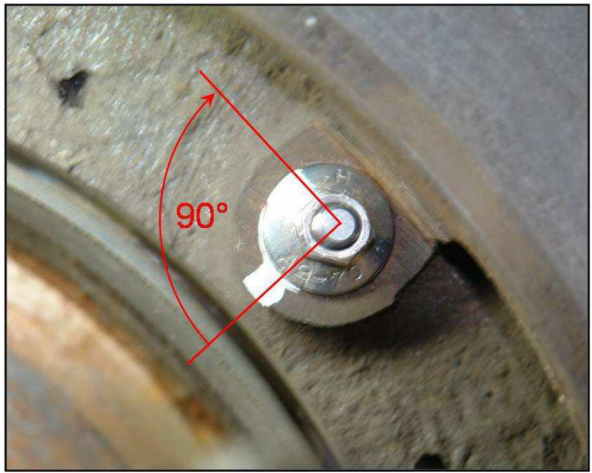
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<p>7</p>	<p>Install washer (3) from inside and tighten nut (4) from inside Counterhold bolt.</p> <p><b>Tightening torque: 4 Nm</b></p>	
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**Inside:**

8	Mark nut.	
9	<p>Counterhold bolt and turn nut 90° further (1/4 turn).</p> <p></p> <p><b>Replace the fasteners one after the other. <u>Do not loosen and replace more than one fastener at a time!</u></b></p>	
10	Repeat for all discs.	
11	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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