



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 16

Subject

CCB Fasteners Replacement.

Model

All Lamborghini Gallardo Coupe and Spyder MY 07 and MY 08 from VIN 7LA04413 to VIN 8LA07799.

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

Replaced Fasteners management

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.



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.01.13
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.

Description of required procedures

Necessary Tool:

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.



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	See the illustration below to distinguish the old type of bolts from the new. 
---	---

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.



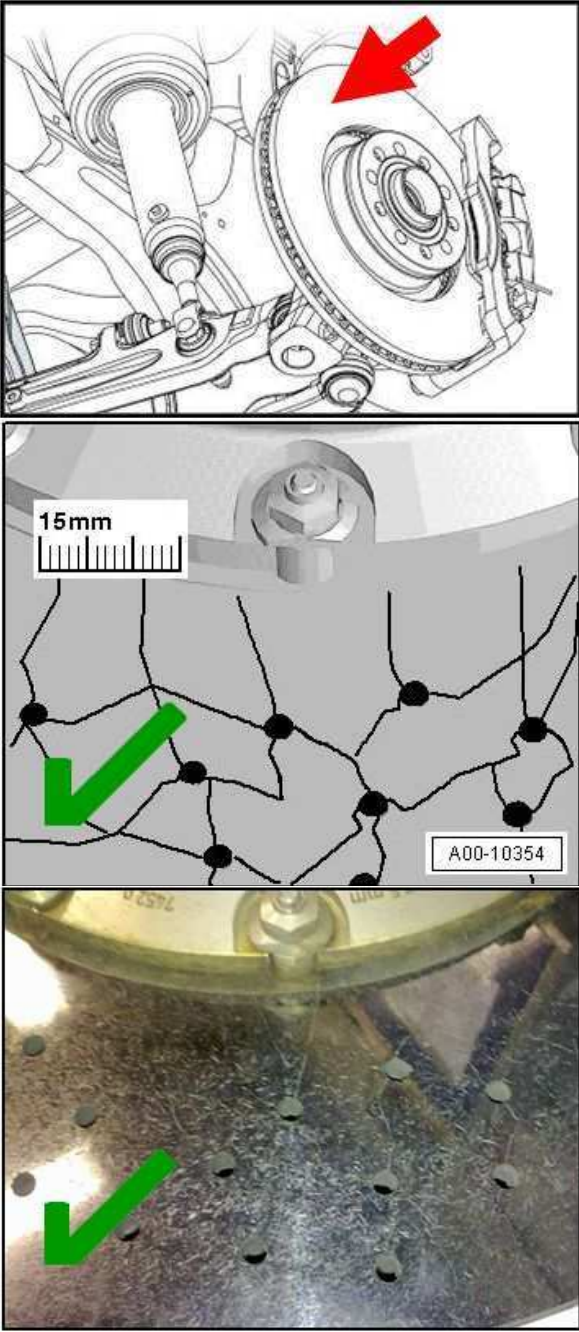
Checking ceramic brake disc for damage:

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

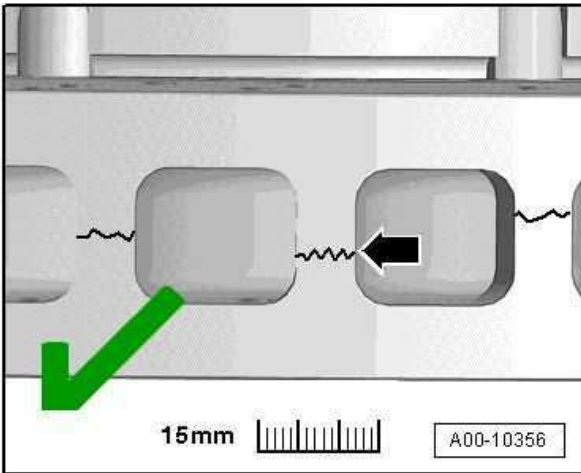
	Remove the ceramic brake discs.  CAUTION! On vehicles with ceramic brakes the wheel must not be allowed to drop on-to the brake disc. This would cause irreparable damage to the disc. Screw two assembly pins (from vehicle tool kit) into the wheel bolt holes when removing and fitting a wheel. Insert the longer assembly pin into the top hole.
2	 Please perform a first wear check on brake discs per workshop manual to ensure campaign fulfillment is performed in specification brake discs. 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. 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.

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

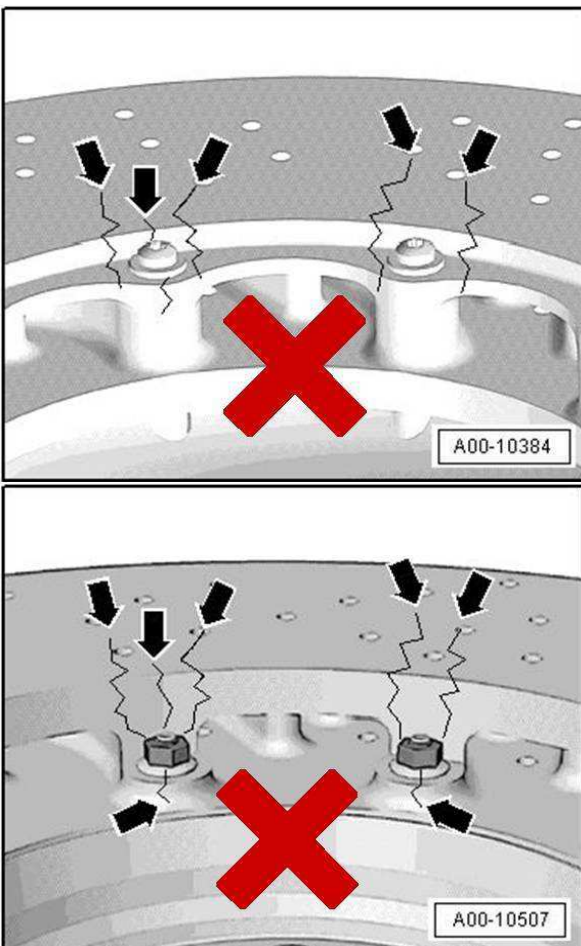
Outside surface of brake disc

3	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.  Relaxation cracks on a ceramic brake disc do not constitute a technical problem.	
----------	--	---

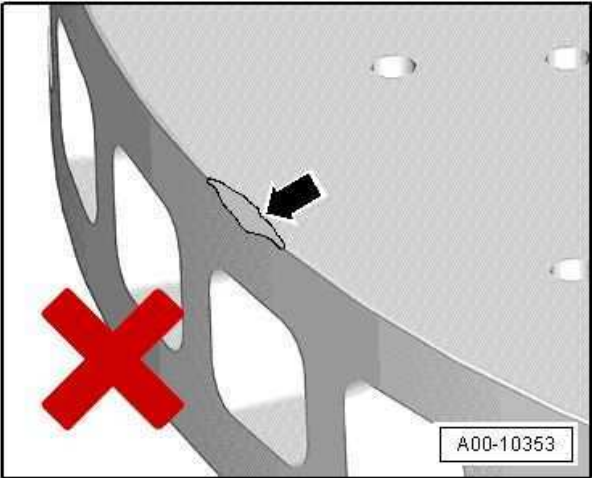
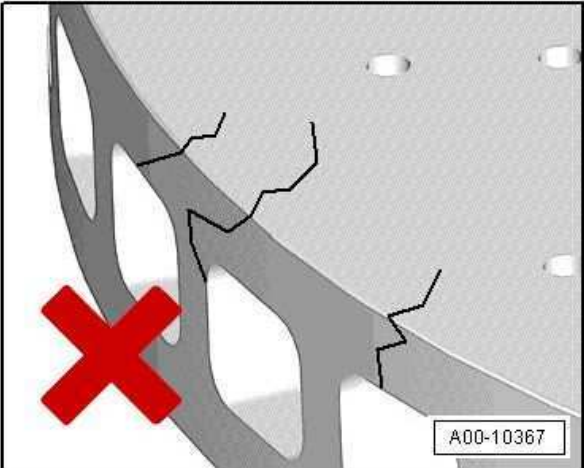
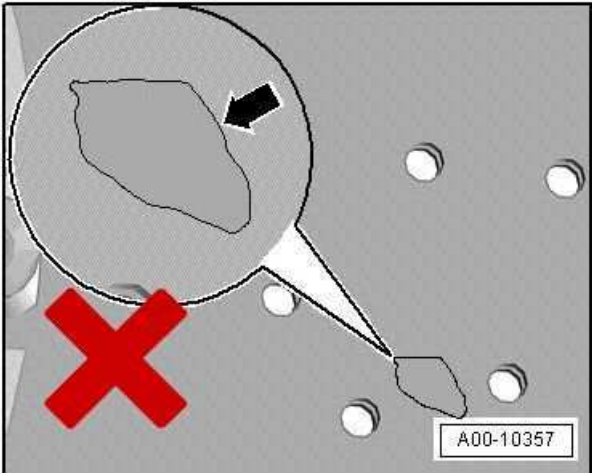
The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

4	Cracks in the cooling channel lands -arrow- are caused during manufacture.  Cracks in the cooling channel lands do not constitute a technical problem.	
---	---	--

A. Inside surface of brake disc:

5	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). Ceramic brake discs must be replaced if there are radial cracks in the area of the bolted connection on the brake disc hub.	
---	---	---

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

6	Edge fractures -arrow- are caused by mechanical damage to the edges of the disc. Permissible damage: • Max. width / depth = 2 mm • Max. length = 10 mm • Max. 3 edge fractures per brake disc If any of the criteria listed above are exceeded, the brake disc must be replaced. <u>File a Quick claim before replacing.</u>	
7	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. <u>File a Quick claim before replacing.</u>	
8	Ceramic brake discs with chipping larger than 1 cm² at any one point -arrow- on the friction surface must be replaced. <u>File a Quick claim before replacing.</u>	

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.



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

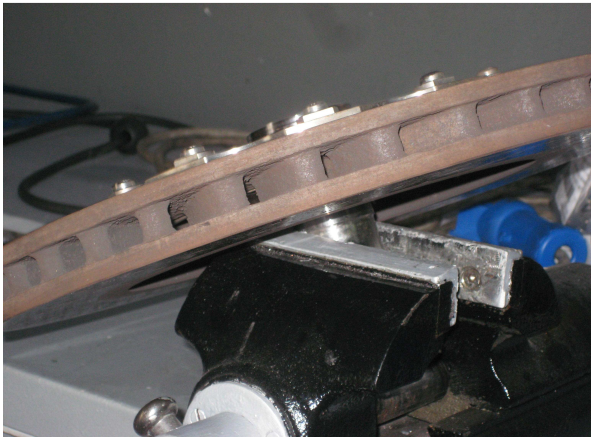
The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

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).

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

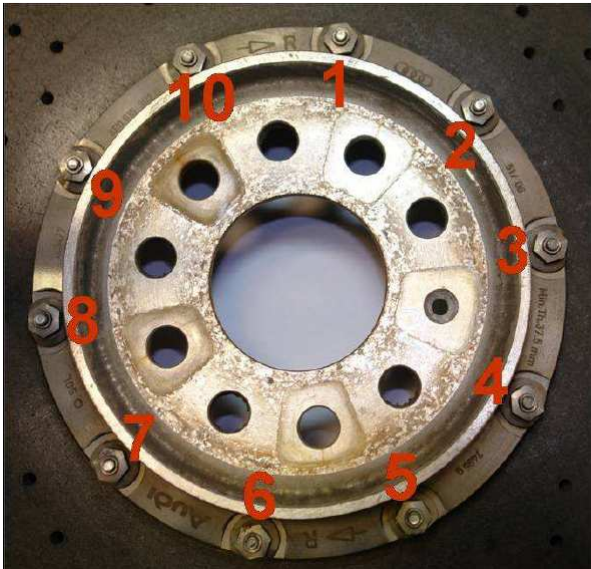
The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

3	Mount the disc onto the hub using bolts to lock the hub with bolt to enable the controlled tightening of the new fasteners.	
---	--	--

Front and rear axle

10	1. Bolt 2. Washer 3. Sleeve 4. Retaining washer with dished pressure springs (held together with cable tie) 5. Nut.  Do not open cable tie until parts have been fitted.	
----	---	---

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

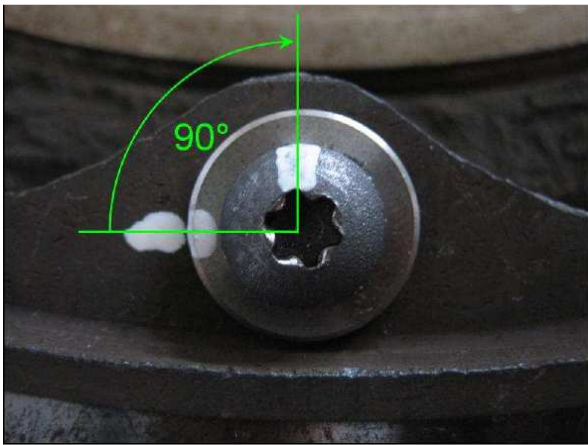
11	Replace fasteners 1...10.  Replace the fasteners one after the other. <u>Do not loosen and replace more than one fastener at a time.</u>	
12	Remove one fastener.	
13	Fit sleeve (3) from outside.	

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

Inside:

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

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

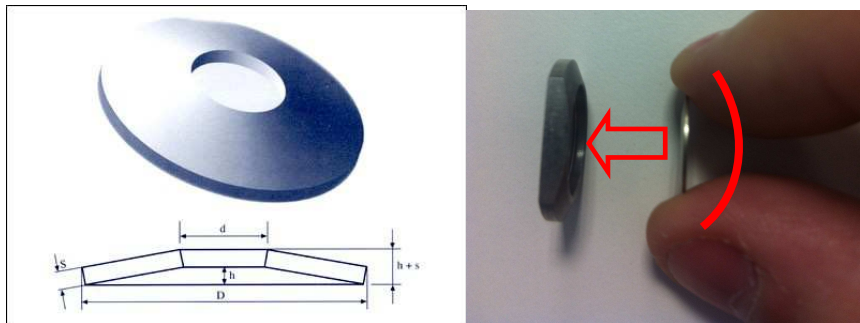
16	Mark bolt.	
17	Turn bolt 90° further (1/4 turn) .	

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.

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.

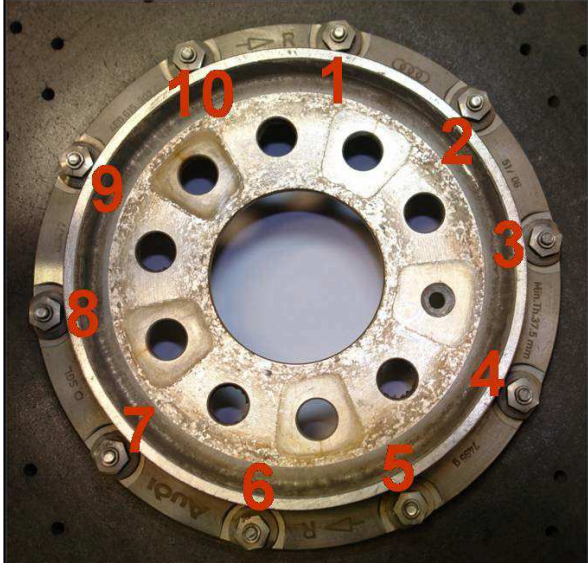
18	Fit the sleeve retaining washer with dished pressure springs (4) and then (but not before) cut open cable tie.	 
----	---	---

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.



- 19 Make sure that the retaining washer is fitted in the correct position, as shown in illustration.



20	Counterhold bolt (5) and tighten nut. Tightening torque: 10 Nm	
21	 Replace the fasteners one after the other. Do not loosen and replace more than one fastener at a time!	
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.

The information and procedures published below are strictly confidential and intended exclusively for authorized operators and individuals. All copyrights are the property of Automobili Lamborghini S.p.A based on copyright law. The company reserves the right to make updates and modifications. The reprinting, reproduction, forwarding to unauthorized people and/or to third parties and partial or entire translation thereof are prohibited without written authorization from Automobili Lamborghini S.p.A.