



Revision (1) March 2021

Dealer Service Instructions for:

Safety Recall W86 / NHTSA 20V-714

Rear Brake Discs

NOTE: Additional information added to “Parts Return” section on Page 3.

Remedy Available

2020 (GA) Alfa Romeo Giulia

NOTE: This recall applies only to the above vehicles equipped with Carbon Ceramic Material (CCM) rear brake discs.

NOTE: Some vehicles above may have been identified as not involved in this recall and therefore have been excluded from this recall.

IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery. Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

Subject

The rear brake discs on about 8 of the above vehicles may fracture. A rear brake disc fracture during vehicle operation may result in reduced braking performance, which can cause a vehicle crash without prior warning.

Repair

Replace the rear brake discs and brake pads.

Alternate Transportation

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if the vehicle must be held overnight.

Parts Information

<u>Part Number</u>	<u>Qty.</u>	<u>Description</u>
68416484AA	1	Rear brake pad and disc kit (4 pads and 2 discs)
68300207AA	4	Parking brake caliper fastening screw (MSQ 4)
06106188AA	2	Cable tie (MSQ 10)

Parts Return

Using DHL parcel service, provide the Brembo customer number 958130361 to send back the recalled brake discs so that shipping can be charged directly to the supplier without cost to the dealership. Use the packaging from the NEW brake discs to return the recalled brake discs to Brembo.

Send only the removed brake discs, attaching a pro forma invoice containing details of the components being returned and the mileage at which the operation was carried out.

The pro forma invoice must contain the following words:
(For repair free of charge, value for customs purposes only) INCOTERMS 2010 (ICC): DAP CURNO, ITALY

Send the recalled brake discs to the following address:

Brembo S.p.A.
Via Brembo, 25
24035 Curno (Bergamo) - Italy
To the attention of Mr. Claudio Trincerì

IMPORTANT: Failure to return the recalled brake discs will result in the cancellation of the refund claim.

Special Tools

The following special tools are required to perform this repair:

- NPN wiTECH MicroPod II
- NPN Laptop Computer
- NPN wiTECH Software
- NPN Dial Indicator for measuring brake disc eccentricity

Service Procedure

1. Position the vehicle on a suitable lift.
2. Open the hood. Install a battery charger and verify that the charging rate provides 13.0 to 13.5 volts. Set the battery charger timer (if so equipped) to continuous charge.
3. Connect the wiTECH micro pod II to the vehicle data link connector.
4. Place the ignition in the “**RUN**” position.
5. Open the wiTECH 2.0 website.
6. Enter your “**User id**” and “**Password**” and your “**Dealer Code**”, then select “**Sign In**” at the bottom of the screen. Click “**Accept**”.
7. From the “**Vehicle Selection**” screen, select the appropriate vehicle.
8. From the “**Action Items**” screen, select the “**Topology**” tab.
9. Select the “**ABS**” Icon.
10. From the “**ABS**” screen, select the “**Miscellaneous Functions**” menu and start the "**Brembo® information CCM service reset**" procedure for rear disc replacement.

Service Procedure [Continued]**Electrical System Disconnection:**

11. Raise all electrical windows to the upper stop position.

NOTE: Make sure **ALL** the windows are closed fully. Disconnecting the battery when the windows are in a position other than the upper end stop will entail the need to run the window end stop learning procedure.

12. Open the luggage compartment lid and support it so it will not close.

CAUTION: While the battery is disconnected, make sure the luggage compartment lid does not close again, as it will not be possible to reopen it.

13. To be able to reopen the luggage compartment lid, even if it accidentally closes with the battery disconnected, before disconnecting the battery it is necessary to unscrew the cap (1b), release the pull cord hooked onto it and leave it hanging out of the luggage compartment. Then, by working on the pull cord, an emergency luggage compartment lid lock release can be obtained. The pull cord operates on the lever (1a) inside (Figure 1).

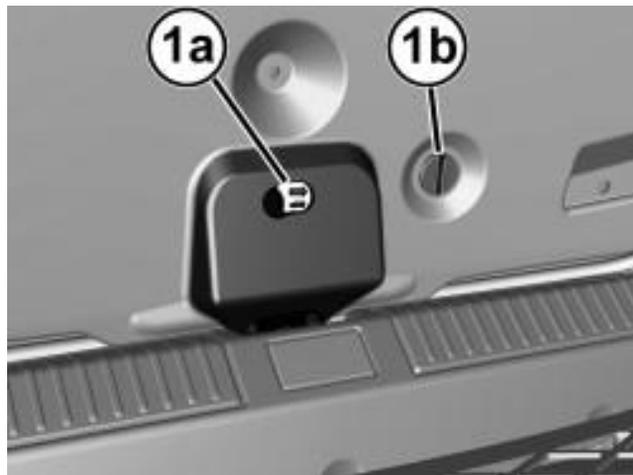


Figure 1 – Lid Lock Release

14. Place the ignition in the “**OFF**” position and then remove the wiTECH micro pod II device and battery charger from the vehicle.
15. The vehicle must remain powered down for at least 1 minute before taking further action.

Service Procedure [Continued]

16. Working on the right side of the luggage compartment, turn the retainers (1a) counterclockwise to the end of their travel to release them, then remove the cover (1b) releasing the retainers in the areas (1c) (Figure 2).

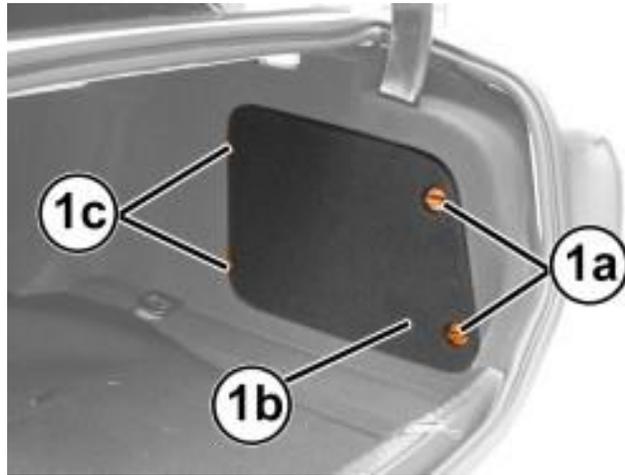


Figure 2 – Battery Cover

17. Press the release button (1a) and disconnect the negative cable (1b) from the battery post (1c) (Figure 3).



Figure 3 – Battery Negative Cable

19. If equipped with an Intelligent Battery Sensor (IBS), disconnect the wire harness connector (2a) from the IBS (1c) (Figure 4).

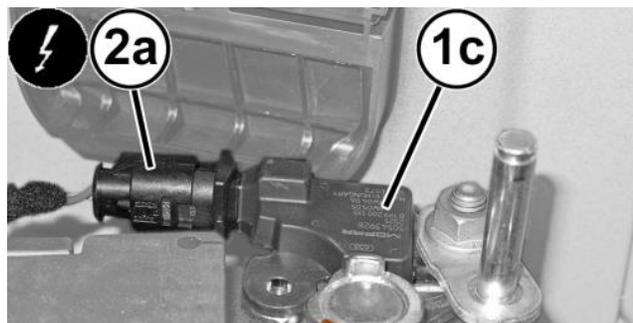
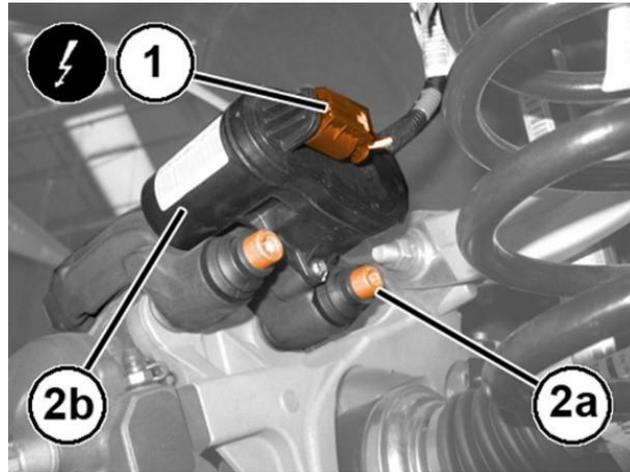


Figure 4 – Intelligent Battery Sensor

Service Procedure [Continued]

Rear Brake Pads and Disc Removal for Both Sides of Vehicle:

WARNING: The presence of carbon fiber submerged in a ceramic matrix can produce dust (carbon) that is deposited in the disc pads and surfaces. This dust can cause skin irritation, redness and burns. The technician must use personal protective equipment to protect their health: gloves and mask.



20. Remove both rear tire and wheel assemblies.
21. Disconnect the electrical harness connector (1) to the electric parking brake gear motor (Figure 5).
22. Remove and **DISCARD** the mounting bolts (2a) and remove the electric parking brake caliper (2b) (Figure 5).



Figure 5 – Electronic Parking Brake

23. Disconnect the brake pad wear indicator electric harness connection (1) (Figure 6).
24. Cut the tie strap and release the electrical harness from the support bracket (2) (Figure 6).
25. Using a suitable punch, retract and remove the pad retaining pins (3) (Figure 6).

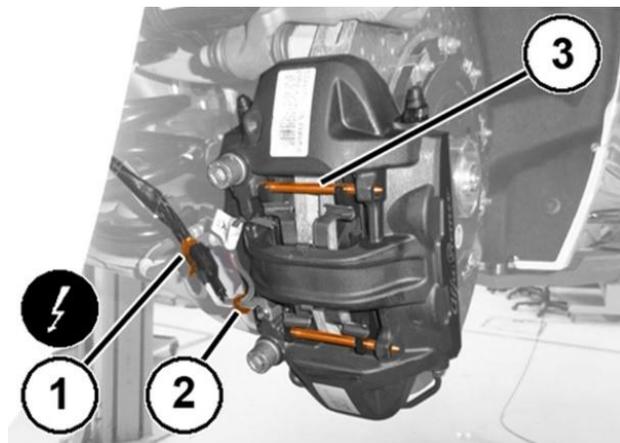


Figure 6 – Brake Caliper

Service Procedure [Continued]

26. Open the cap on the brake fluid reservoir and check the level.

NOTE: The piston retraction operations described here below increase the brake fluid level in the reservoir. Make sure the fluid level does not cause leakage.

27. Retract the pistons from the brake caliper using a retractor or other suitable tool pressing on the worn pads.

NOTE: Piston retraction must be such so allow extracting the worn pads and then inserting the new ones.

28. Remove the mounting bolts (1a) and remove the brake caliper (1b) complete with pads, without disconnecting the brake hose (Figure 7).

CAUTION: Securely support the brake caliper so it does not put stress on the brake hose.



Figure 7 – Brake Caliper

Service Procedure [Continued]

- 29. Remove the outer brake pad (1) (Figure 8).
- 30. Remove the inner brake pad (1) (Figure 9).

NOTE: If the pads are stuck to the pistons, use a spatula or screwdriver and then extract the pads from the caliper. Be careful not to damage the pistons and the dust boots.



Figure 8 – Outer Brake Pad

- 31. Remove and **DISCARD** the brake caliper retaining clip (1) (Figure 10).

NOTE: The spring must always be replaced.

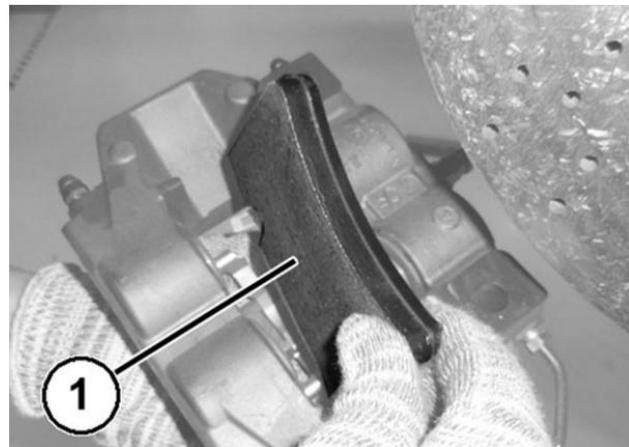


Figure 9 – Inner Brake Pad

- 32. Carefully clean the pad seat area using suitable materials and products (for example, a moist cloth).

CAUTION: Do not use products which could damage rubber parts, such as thinner, nitro thinner, petrol, etc.

- 33. Check that there is no damage to the pistons or the dust boots.

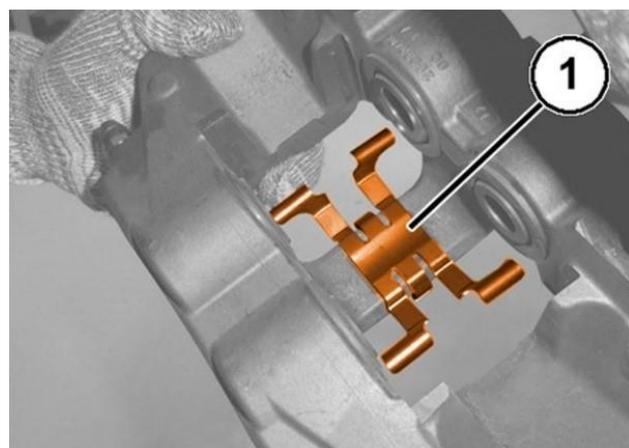


Figure 10 – Retaining Spring

Service Procedure [Continued]

34. Remove the mounting bolts (1a) and remove the rear brake disc (1b) (Figure 11).

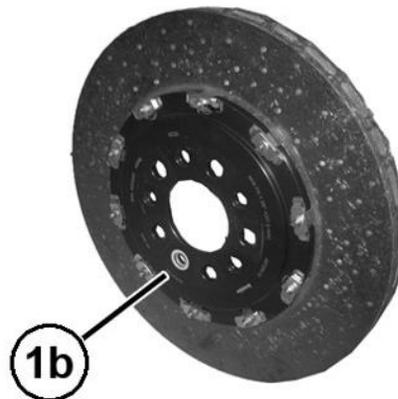
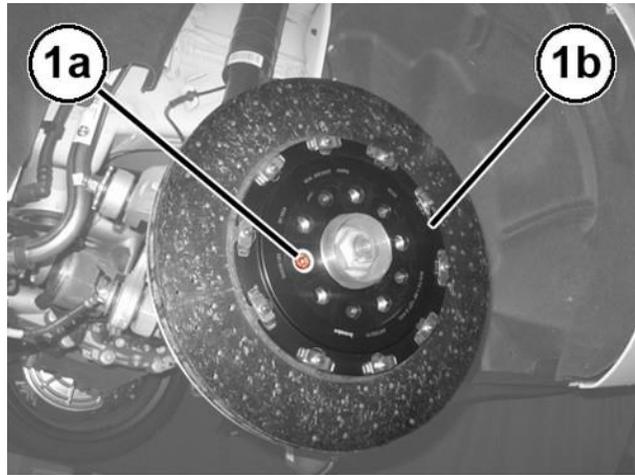


Figure 11 – Rear Brake Disc

NOTE: Use the packaging from the NEW brake discs to return the recalled brake discs to Brembo. Failure to return the recalled brake discs will result in the cancellation of the refund claim.

Service Procedure [Continued]**Rear Brake Disc and Pads Installation for Both Sides of Vehicle:**

35. Place the NEW rear brake disc (1a) onto the wheel hub and tighten the M10 bolt (1b) to 7 N·m (62 In. Lbs.) (Figure 12).

NOTE: After install the CCM discs, measure the eccentricity of the disc-wheel hub assembly with a dial indicator. An eccentricity of more than 0.10 mm is not acceptable.

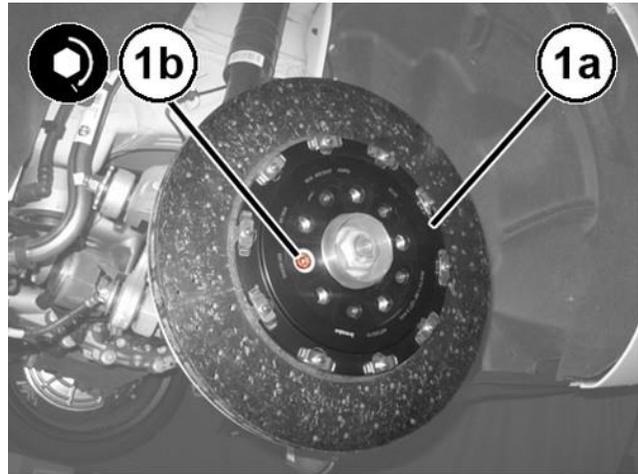


Figure 12 – Rear Brake Disc

NOTE: If the eccentricity is greater than 0.10 mm, rotate the disc to another position (there are 5 available positions) to achieve the smallest eccentricity possible.

NOTE: The eccentricity must be measured 10 mm from the disc's outer edge, on the braking side. The correct eccentricity value is vital for stabilizing braking. If the eccentricity values are too high, it will result in abnormal wear and strong vibrations.

Service Procedure [Continued]

36. Install some “MOLYKOTE Cu-7439 Plus” grease to the brake pad sliding shoulders and a **NEW** brake caliper retaining spring in its housing (Figure 13).

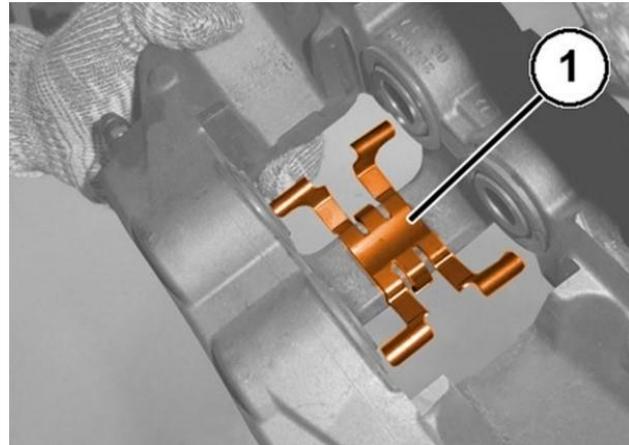


Figure 13 – Retaining Spring

37. Install the **NEW** inner brake pad (2) in its housing, complete with wear sensor (2) (Figure 14).

NOTE: The arrow printed on the brake pad must be oriented in the direction of rotation of the disc when travelling forwards.

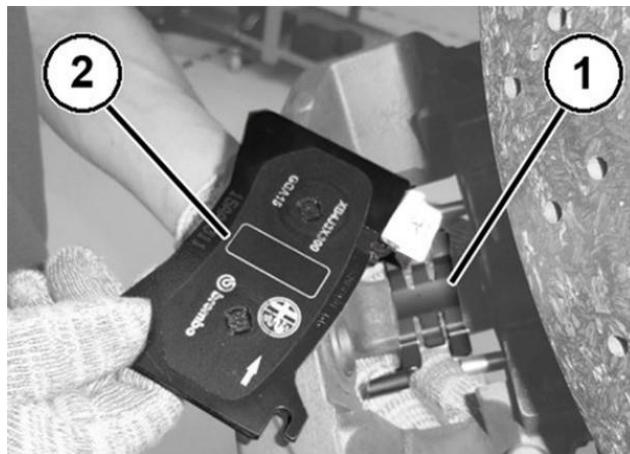


Figure 14 – Inner Brake Pad

38. Install the **NEW** outer brake pad (1) in its housing (Figure 15).

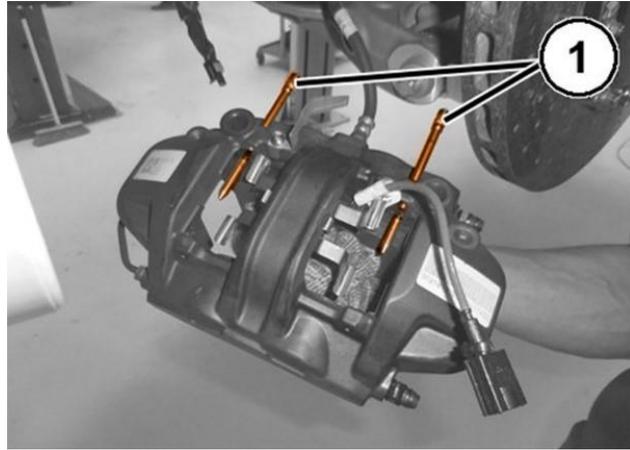
NOTE: The arrow printed on the brake pad must be oriented in the direction of rotation of the disc when travelling forwards.



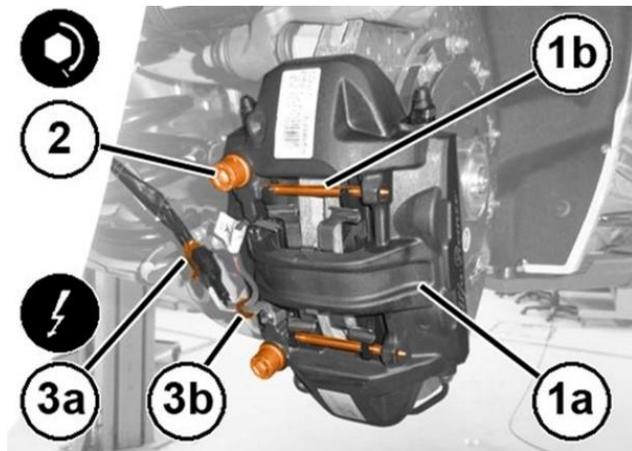
Figure 15 – Outer Brake Pad

Service Procedure [Continued]

39. Install the brake pad retaining pins (1) (Figure 16).
40. Position the brake caliper (1a) in its housing and set the brake pad retaining pins (1b) (Figure 17).
41. Install the brake caliper M12 mounting bolts (2) and tighten the bolts to 105 N·m (77 Ft. Lbs.) (Figure 17).

**Figure 16 – Brake Pad Retaining Pins**

42. Connect the electrical harness connector to the pad wear sensor (3a), secure it to the bracket with a **NEW** cable tie (3b) (Figure 17).
43. Pump brake pedal several times to set pads to caliper and brake rotor.

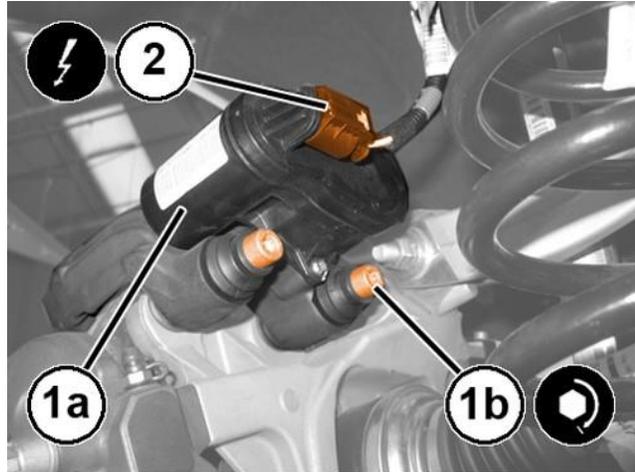
**Figure 17 – Brake Caliper**

44. Check that the brake fluid in the reservoir is at the maximum level, otherwise top off using the recommended fluid.
45. Securely tighten the brake fluid reservoir cap on the brake fluid reservoir.

NOTE: The fluid in the reservoir should not exceed the MAX notch.

Service Procedure [Continued]

46. Position the electric parking brake caliper (1a) in its housing and tighten the **NEW** M10 mounting bolts (1b) to 30 N·m + 45 degrees (22 Ft. Lbs. + 45 degrees) (Figure 18).
47. Connect the electrical connection of the gear motor (2) (Figure 18).

**Figure 18 – Electronic Parking Brake**

48. Position the rear wheel and tire assembly to the wheel hub and secure it tightening the M14 stud bolts to 120 N·m (89 Ft. Lbs.) (Figure 18).

Service Procedure [Continued]

Electrical System Connection:

49. Connect the battery negative cable (1b) onto the post (1c) (Figure 19).



Figure 19 – Battery Negative Cable

50. If equipped with an Intelligent Battery Sensor (IBS), connect the IBS connector (Figure 20).

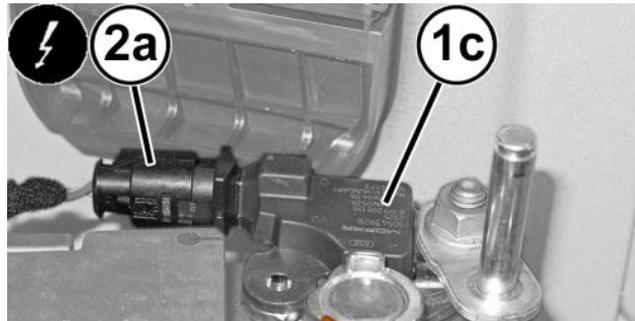


Figure 20 – Intelligent Battery Sensor

51. Position the battery cover (1b) while engaging the retainers (1c), then turn the retainers (1a) clockwise to the end of their travel to secure them (Figure 21).

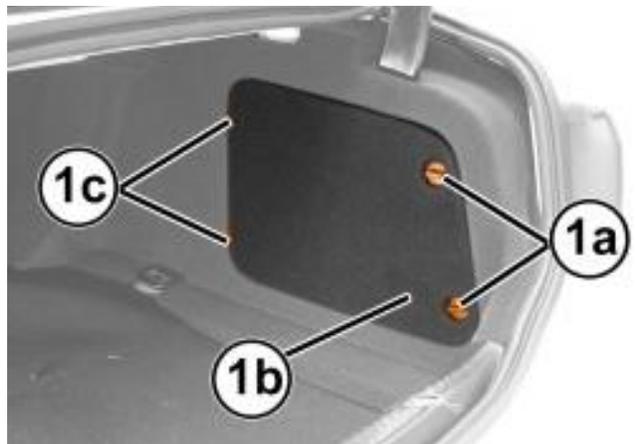


Figure 21 – Battery Cover

52. Close the luggage compartment lid.

Service Procedure [Continued]

Electrical Systems Reset:

53. Initializing the steering is required. This will be indicated by a warning light on the IPC illuminating. Start the engine, turn the steering wheel from one lock to the other and turn it back into the center position.
54. Check that the time/day etc. are correct.
55. Open the hood. Install a battery charger and verify that the charging rate provides 13.0 to 13.5 volts. Set the battery charger timer (if so equipped) to continuous charge.
56. Connect the wiTECH micro pod II to the vehicle data link connector.
57. Place the ignition in the “**RUN**” position.
58. Open the wiTECH 2.0 website.
59. Enter your “**User id**” and “**Password**” and your “**Dealer Code**”, then select “**Sign In**” at the bottom of the screen. Click “**Accept**”.
60. From the “Vehicle Selection” screen, select the appropriate vehicle.
61. From the “Action Items” screen, select the “**Topology**” tab.
62. Select the “**ABS**” Icon.
63. From the “ABS” screen, select the “**Miscellaneous Functions**” menu and go to the “**Electric Park Brake (EPB)**” then perform the “**ASSEMBLY CHECK**” procedure.
64. Place the ignition in the “**OFF**” position and then remove the wiTECH micro pod II device and battery charger from the vehicle.
65. Remove the vehicle from the lift and return to the customer or inventory.

Completion Reporting and Reimbursement

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims paid will be used by FCA to record recall service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

	Labor Operation Number	Time Allowance
Replace Rear Brake Discs and Brake Pads	05-W8-61-82	1.0 hour

Related

Handling Charge for Return of Brake Discs to Brembo	95-21-42-50	■
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Add the cost of the recall parts package plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

Dealer Notification

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

Owner Notification and Service Scheduling

All involved vehicle owners known to FCA are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Vehicle Lists, Global Recall System, VIP and Dealer Follow Up

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner's name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System.**” Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

Dealers must perform this repair on all unsold vehicles before retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.

Additional Information

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services / Field Operations
FCA US LLC

This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

W86/NHTSA 20V-714

LOGO

VEHICLE PICTURE

YOUR SCHEDULING OPTIONS

1. RECOMMENDED OPTION

Call your authorized Alfa Romeo dealership.

2. Call Alfa Romeo Premium Care at

1-866-932-3881. An agent can confirm part availability and help schedule an appointment.

3. Visit recalls.mopar.com, scan the

QR code below, or download the Mopar Owner's Companion App.

QR Code

Get access to recall notifications, locate your FIAT Studio, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity. The last eight characters of your VIN are provided above.

DEALERSHIP INSTRUCTIONS

Please reference Safety Recall W86.

IMPORTANT SAFETY RECALL

Rear Brake Discs

Dear [Name],

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act. FCA has decided that a defect, which relates to motor vehicle safety, exists in certain [2020 (GA) Alfa Romeo Giulia] vehicles equipped with Carbon Ceramic Material (CCM) rear brake discs.

It is extremely important to take steps now to repair your vehicle to ensure the safety of you and your passengers.

WHY DOES MY VEHICLE NEED REPAIRS?

The rear brake discs on your vehicle ^[1] may fracture. **A rear brake disc fracture during vehicle operation may result in reduced braking performance, which can cause a vehicle crash without prior warning.**

HOW DO I RESOLVE THIS IMPORTANT SAFETY ISSUE?

FCA will repair your vehicle ^[2] free of charge (parts and labor). To do this, your dealer will replace the rear brake discs. The estimated repair time is one hour. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit, which require more time. Your time is important to us, so we recommend that you schedule a service appointment to minimize your inconvenience. Please bring this letter with you to your dealership.

**TO SCHEDULE YOUR FREE REPAIR,
CALL YOUR ALFA ROMEO DEALER TODAY**

WHAT IF I ALREADY PAID TO HAVE THIS REPAIR COMPLETED?

If you have already experienced this specific condition and have paid to have it repaired, you may visit www.fcarecallreimbursement.com to submit your reimbursement request online. ^[3] Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you have had previous repairs performed and/or already received reimbursement, you may still need to have the recall repair performed.

We apologize for any inconvenience, but are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Assistance/Field Operations
Fiat Chrysler Automobiles US LLC



Mr. Mrs. Customer
1234 Main Street
Hometown, MI 48371

[1] If you no longer own this vehicle, please help us update our records. Call Alfa Romeo Premium Care at 1-866-932-3881 to update your information.

[2] If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or you can call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to safercar.gov.

[3] You can also mail in your original receipts and proof of payment to the following address for reimbursement consideration: FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement.

Note to lessors receiving this recall notice: Federal regulation requires that you forward this recall notice to the lessee within 10 days.