



Campaign Code:
L73X-T.08.19.

Campaign Description:
Cold junction replacement and repositioning procedure.

Model:
Aventador LP700-4, Aventador LP720-4, Aventador SV, Aventador S, Aventador SVJ.

Model Year:
From MY12 to MY19.

Special or limited editions:
None.

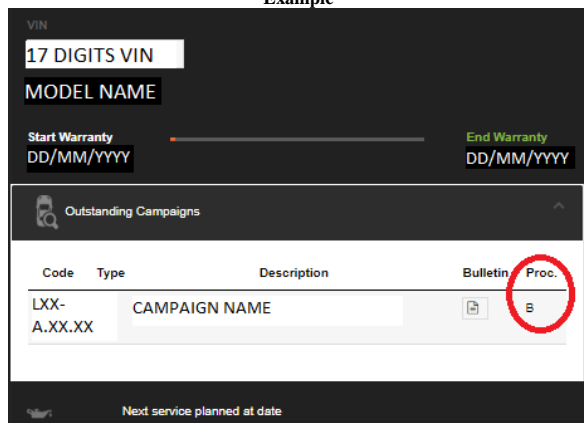
Markets:
All except USA.

VIN Identification:
From CLA00091 to KLA08618.

Important: before proceeding with the repair, connect to the warranty portal and use VIN Info to check that:

- The vehicle is actually affected by the instructions given in this bulletin; some vehicles may not be, even when their VIN is included.
- Procedures are identified by a letter (e.g. A, B or C....etc., whose differences will be explained later in this bulletin); make sure that the spare parts corresponding to the assigned procedure are used.

Example



NOTE:
 Procedure A will be available only when the instructions require a preliminary check to be performed to determine whether or not the vehicle actually needs updating.

Network information notice:
 As a result of a continuous product monitoring, Automobili Lamborghini Spa has detected that in some cases the cold junctions for thermocouples could detect an incorrect catalyst temperature due to the actual mounting position.

Solution for the network:
 In case of customer complaining of the check engine light on due to cold junction electrical faults (see below table): repositioning of both cold junctions for thermocouples following the instructions given in this bulletin and replacement of both cold junctions.

Replacement parts:



If the diagnostic protocol stores in the engine ECU any Pcode shown in the below table, please proceed, after inserting a claim on LIASS with the long diagnostic protocol, with the replacement of the faulty cold junction and the repositioning of BOTH cold junctions.

P0544	P0547	P14A0	P14A3
P0545	P0548	P11E9	P11EA
P0546	P0549	P14A2	P14A5

Order the following 2 codes required for the specified operation:

- Operation B – Cold junction replacement and repositioning kit.

P/N Kit	Description	Q
470971302	The kit contains: -Left bracket; P/N: 470971593C -Right bracket; P/N: 470971593D -Screw; P/N: N10661002 -High temperature clamp; P/N: N10562301 -Clamps; P/N: 5M0971838 -Pin-fastened clamp; P/N: 3D0971838	1



P/N Kit	Description	Q
470919197C	Cold junction	2

Management of replaced parts.

Store the parts removed from the vehicle in a suitable manner, marked with their barcode for identification during visits by the competent Area Manager.

Labor

- Operation B: Replacement and repositioning of the cold junctions of the left and right banks.

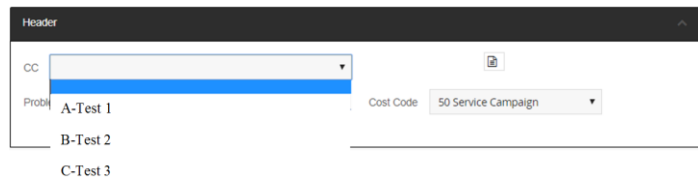
Bulletins superseded.

None.

Warranty instructions.

To request reimbursement for the corrective action performed, access the Warranties section of the Lamborghini HUB and follow the “Campaigns” entry instructions in the W.Claim manual which can be downloaded from the Portal.

Select the required campaign and proceed with entry, carefully reading the options present in the alert displayed by the system (see example) and select the option performed on the vehicle.



Depending on the option performed, the reimbursement will be structured in the following manner:

- OPTION B – Replacing and repositioning the cold junctions of the left and right banks.

Labor: 1.5 hours

Spare parts: 470971302 & 470919197C



WARNING!

Attach all documents generated during the work carried out as evidence of the work itself, for instance workshop orders, diagnostic protocols etc. If one or more of these is missing it may lead to a rejected reimbursement request.

Fill out the Service and Recall Campaign section in the warranty booklet, which is shown in the figure below.

Tools/Materials required

Code	Description.	Q
n/a	n/a	n/a



N.B.^(*)

All ODIS technical documentation can be viewed on the Lamborghini web portal, in the corresponding ODIS section.



Preliminary operations



WARNING

Wait until the vehicle has cooled down completely.

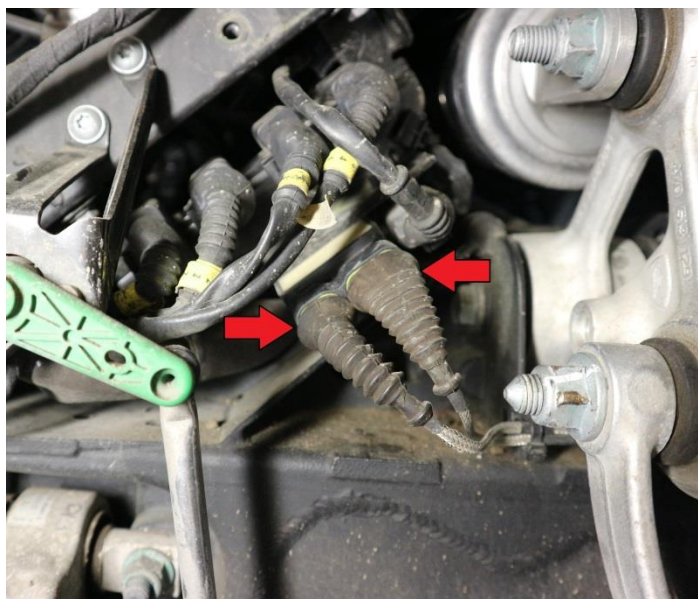
1. It is necessary to remove the right and left rear wheel arches to access the cold junctions.

To perform these operations, follow the instructions given in the workshop manual at the following paths:

08 Body→21 Fender - wheel arch→Rear wheel arch→Disassembly/Assembly

Left bank cold junction procedure

2. Disconnect the 2 connectors on the cold junction.

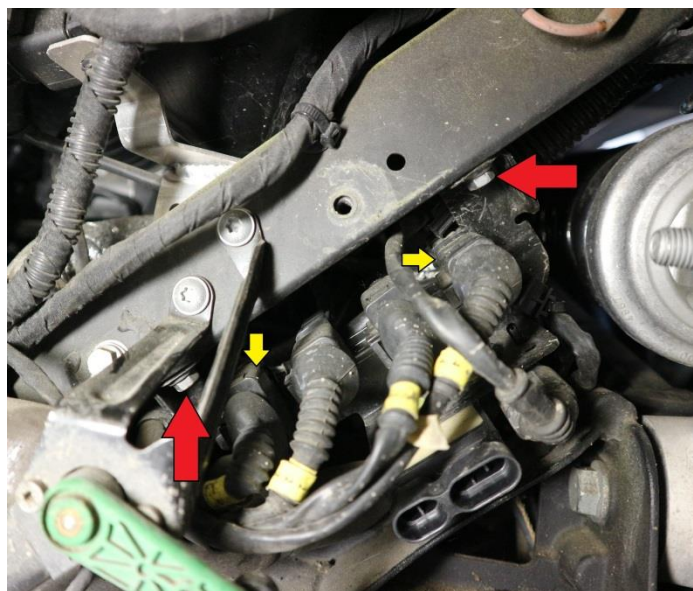


3. Remove the 2 screws and free the bracket.



NOTE:

If it becomes necessary, free and disconnect connectors 1 and 4 of the wires of the lambda sensors in order to make screw removal easier.





4. Remove the 2 nuts and the 2 washers.

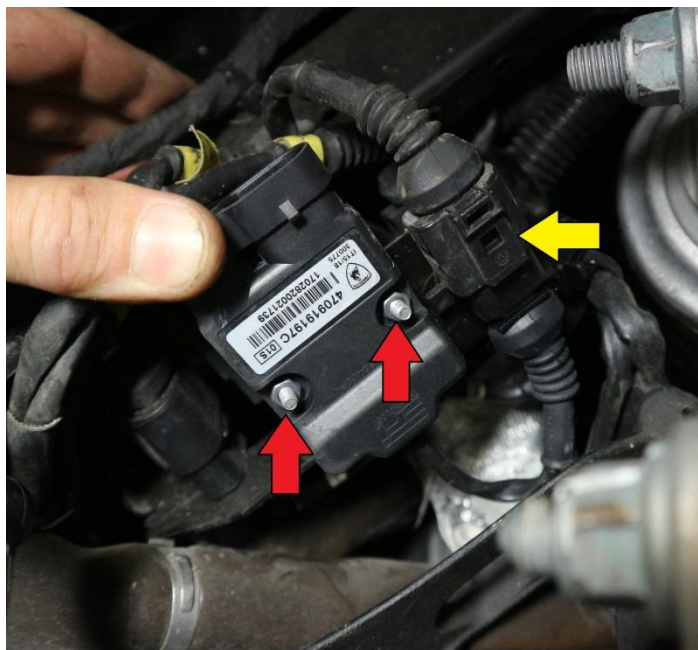
Release the connector from the bracket. Disconnect the connector.



IMPORTANT

Remove the bracket retainer clip from the connector.

Free the cold junction.



5. Position the support bracket of the lambda sensor wires and tighten the 2 screws.

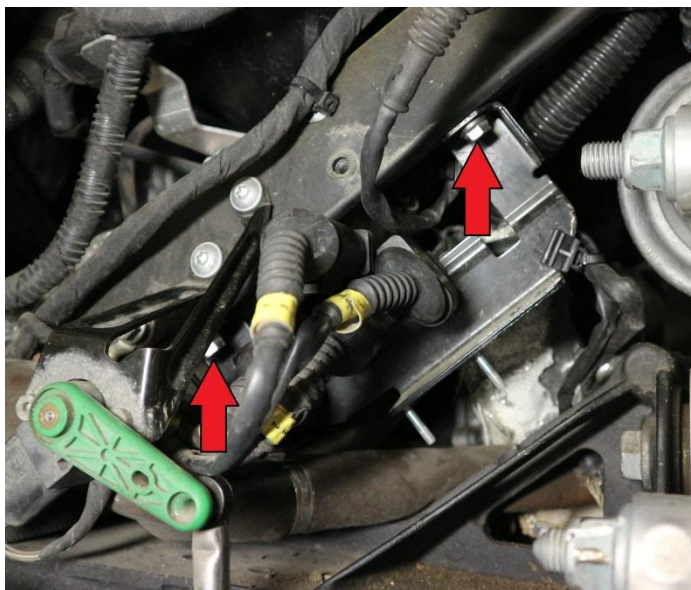
Tightening the screws.

Tightening torque: **9 Nm (6,64 lbf ft)**



NOTE:

If it is necessary, free and disconnect connectors 1 and 4 of the wires of the lambda sensors in order to make screw tightening easier.

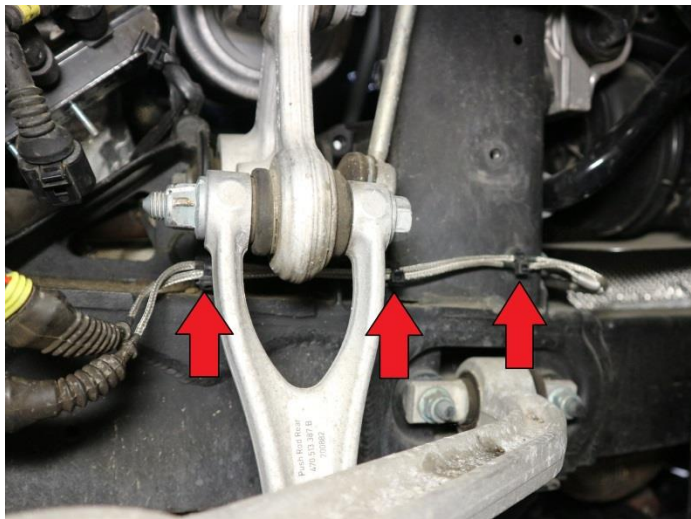


6. Free the wiring from the 3 fasteners.



IMPORTANT:

Remove the retain clip from the wire and from the chassis.

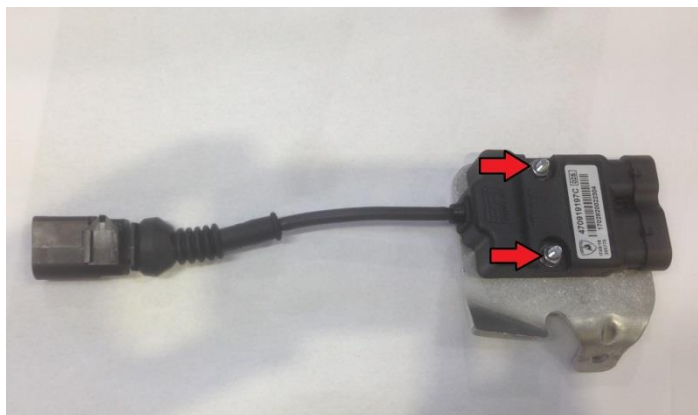




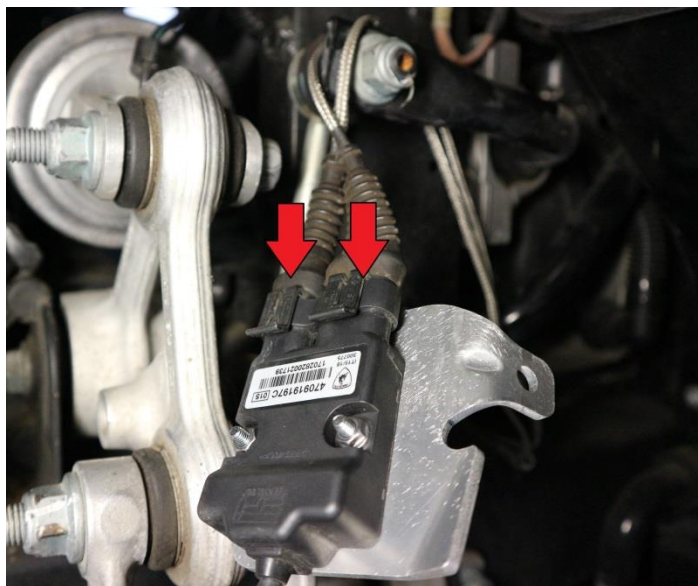
7. Position the cold junction on the new bracket (470971593C) and tighten the 2 nuts together with the 2 washers.

Tighten the nuts.

Tightening torque: **3.00 Nm (2.21 lbf ft)**



8. Connect the 2 connectors on the cold junction.



9. Position the assembly (cold junction and bracket) in its place and tighten the screws.

Tightening the screw.

Tightening torque: **9.00 Nm (6.64 lbf ft)**



IMPORTANT:

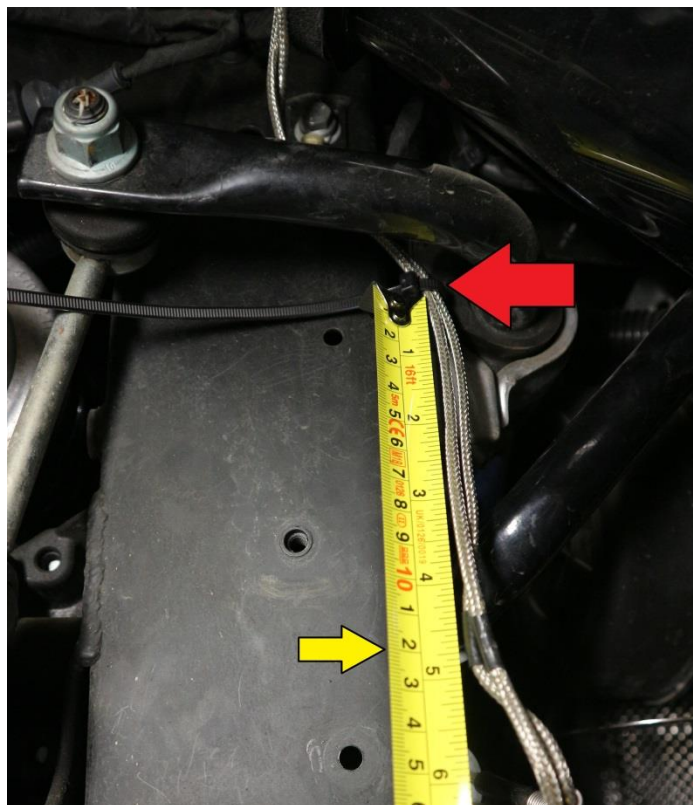
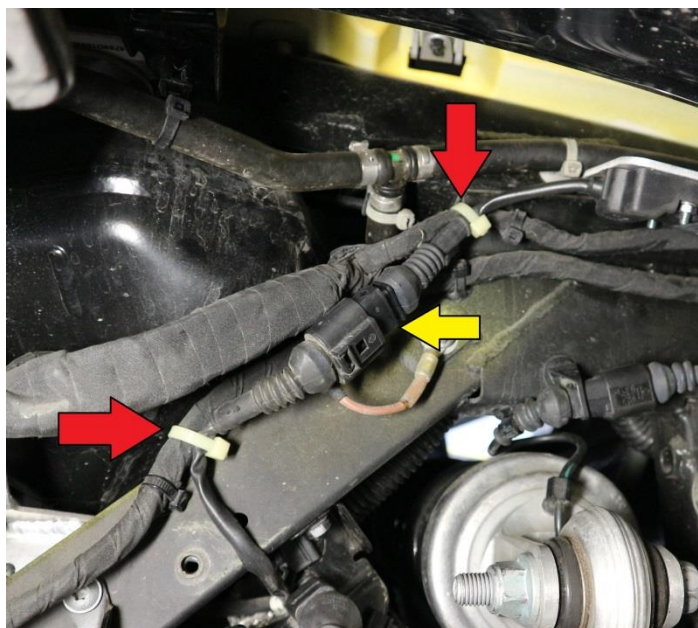
Orient the assembly as shown in the figure.



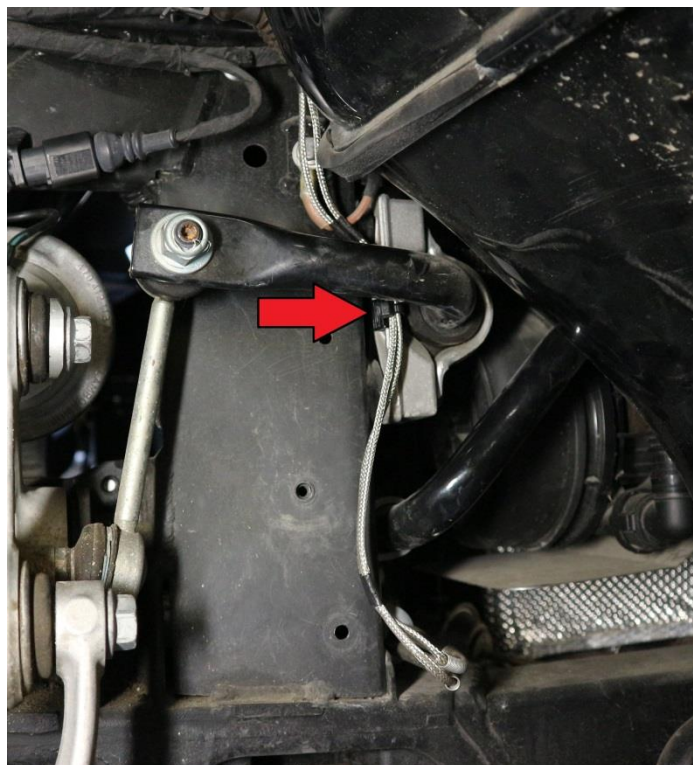


10. Connecting the connector

Secure the cold junction wire to the existing wire using 2 high temperature clamps (N10562301) supplied in the kit.



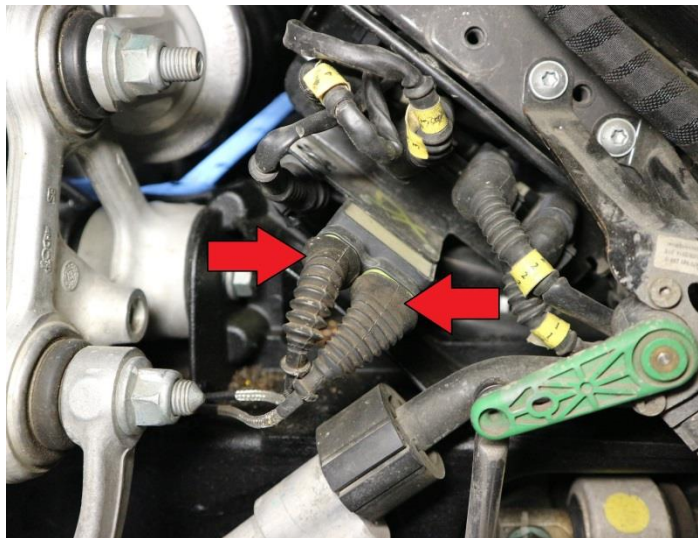
11. Position a cable tie (5M0971838), supplied in the kit, at 12-13 cm from the reference of the previous routing.





Right bank cold junction procedure

12. Disconnect the 2 connectors on the cold junction.

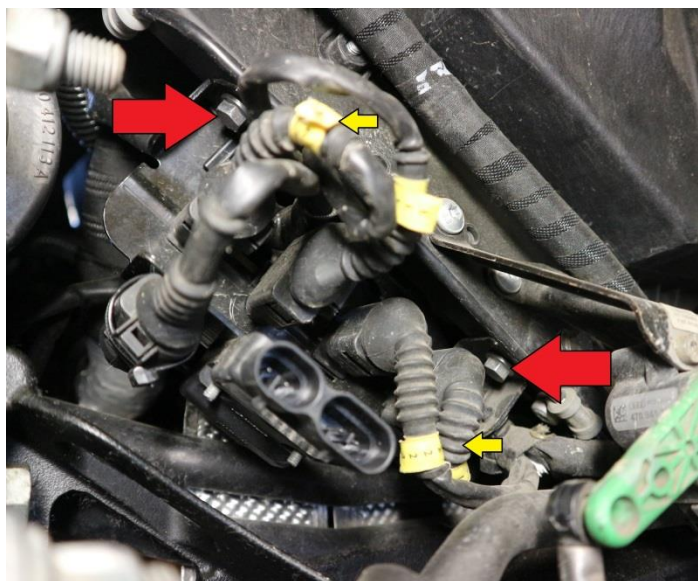


13. Remove the 2 screws and free the bracket.



NOTE:

If it becomes necessary, free and disconnect connectors 1 and 4 of the wires of the lambda sensors in order to make screw removal easier.

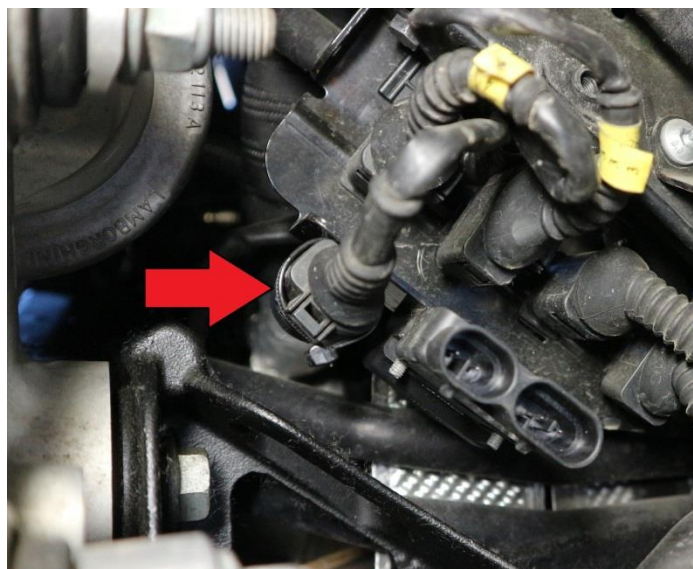


14. Release the connector from the bracket. Disconnect the connector.



IMPORTANT

Remove the bracket retainer clip from the connector.



15. Remove the 2 nuts and the 2 washers.

Free the cold junction.



16. Position the support bracket of the lambda sensor wires and tighten the 2 screws.

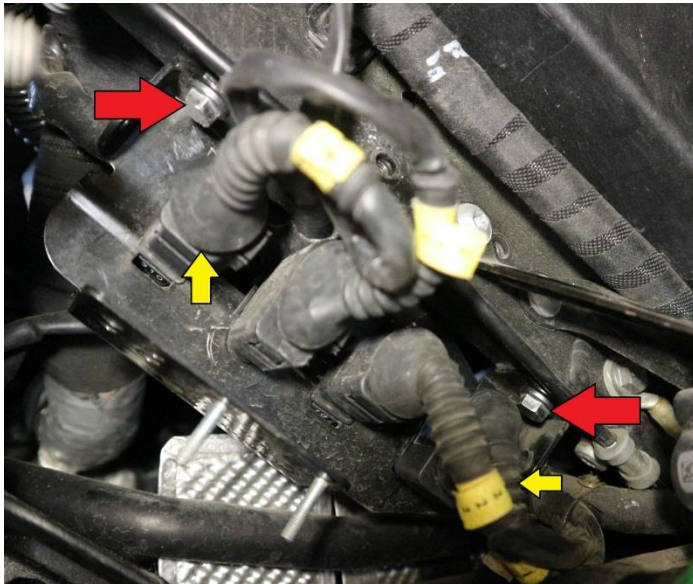


Tightening the screws.
Tightening torque: 9 Nm (6.64 lbf ft)



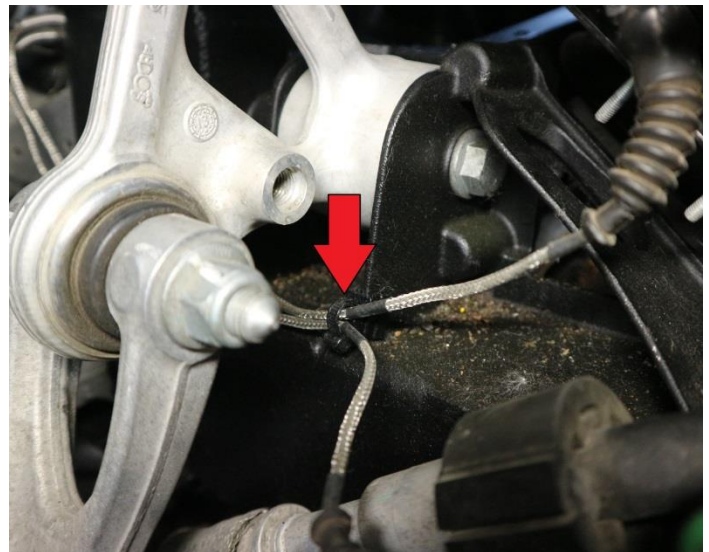
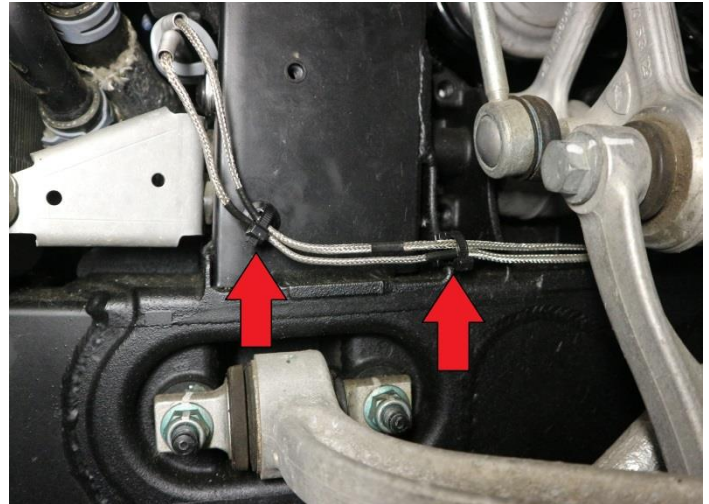
NOTE:

If it becomes necessary, free and disconnect connectors 1 and 4 of the wires of the lambda sensors in order to make screw tightening easier.



IMPORTANT:

Remove the retain clip from the wire and from the chassis.



17. Free the wiring from the 3 fasteners.

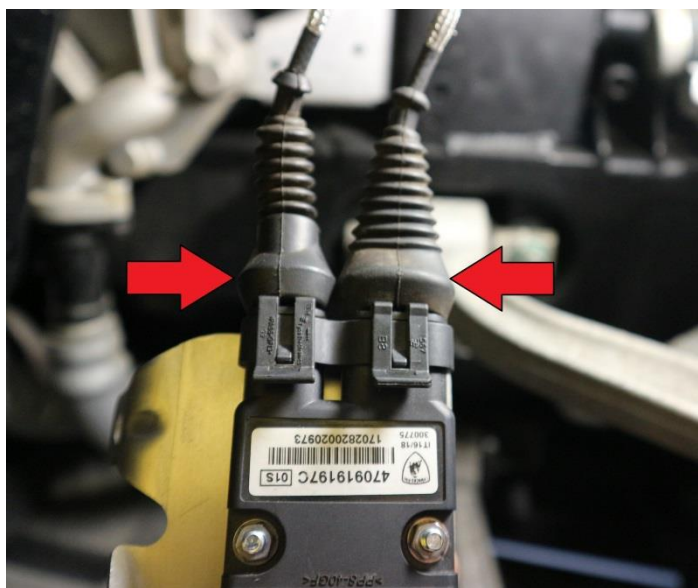


18. Position the cold junction on the new bracket (470971593D) and tighten the 2 nuts together with the 2 washers.

Tighten the nuts.
Tightening torque: **3.00 Nm (2.21 lbf ft)**



19. Connect the 2 connectors on the cold junction.



20. Remove the 3 nuts securing the engine control unit.

Tighten the nuts.
Tightening torque: **9.00 Nm (6.64 lbf ft)**



Release the engine control unit and place the wire outside the work area.



IMPORTANT:

To make securing the new cold junction support bracket easier, free the engine control unit in order to move its wire outside the work area.



21. Identify the bushing of the new cold junction support bracket.



22. Position the assembly (cold junction and bracket) in its place and tighten the screws.

Tightening the screw.
Tightening torque: **9.00 Nm (6.64 lbf ft)**



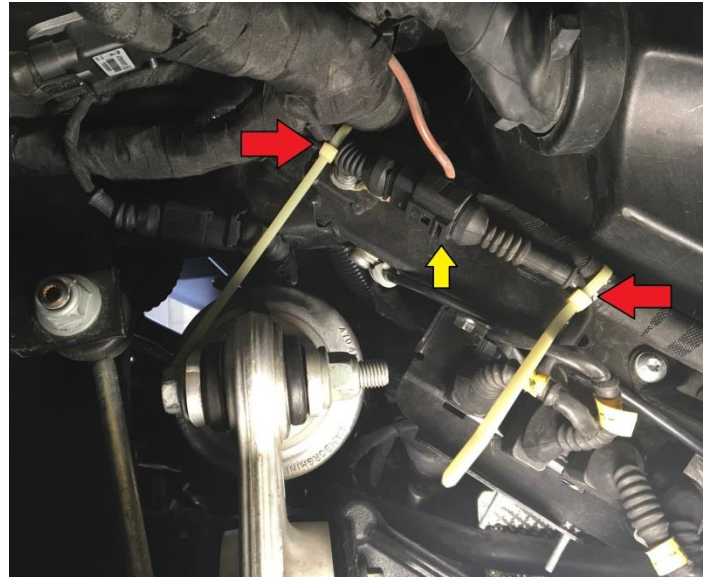
IMPORTANT:

Orient the assembly as shown in the figure.



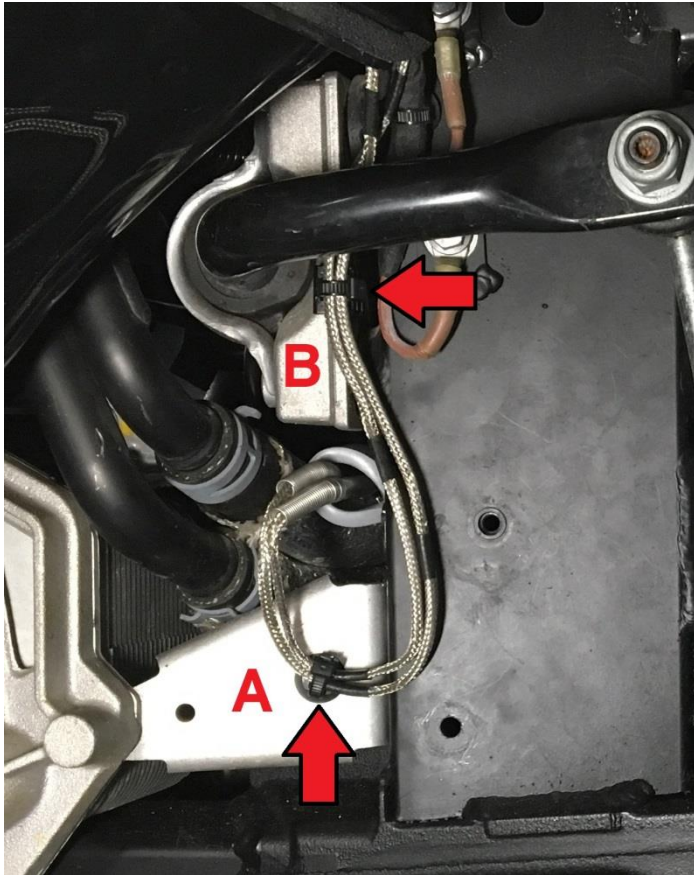
23. Connecting the connector

Secure the cold junction wire to the existing wire using 2 high temperature clamps (N10562301) supplied in the kit.





24. Secure the cold junction wire to the oil heat exchanger bracket (A) using a fir tree mount (3D0971838) and to the support bracket of the stabilizer bar (B) using a cable tie (5M0971838); position the cable tie at about 9 cm from the reference of the previous routing.



25. Position the engine ECU in place and tighten the 3 nuts.

Tightening the screw.

Tightening torque: **9.00 Nm (6.64 lbf ft)**

Final operations

26. Perform the final operations following the procedure in the reverse order of the preliminary operations.



IMPORTANT:

The documents which must be provided with the warranty request are:

- *Produced Repair Order*
- *Saved Diagnostic Protocol.*

Failure to follow these procedures could lead to the request being rejected.