



Technical Note 3837A

XBXX

Engines: D4F - F4R - K4J - K4M - K9K

Basic manual: Technical Note 3765A

Sub-sections concerned: 38C

Replacing the hydraulic unit computer

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| Procedure for replacing the hydraulic unit computer (Bosch 8.0 without ESP) |
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This note supplements Technical Note 3765A

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JUNE 2004

EDITION ANGLAISE

*The repair procedures given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The procedures may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed*.

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ANTI-LOCK BRAKING SYSTEM

ABS computer without ESP

38C

Equipment required

Diagnostic tool

Tightening torques



Bolts securing the computer to the hydraulic unit

3 Nm

This Technical Note supplements Technical Note **3765A**.

IMPORTANT

Following any operation on the ABS system, it is essential to confirm the repair work by carrying out a road test and a check using the **diagnostic tool**.

REMOVAL

Disconnect the battery, starting with the negative terminal.

K9K

Remove the air filter unit.

F4R

Remove the engine cover.

Unclip the insulating carpet from the panel to gain access to the hydraulic assembly.

Carefully clean the hydraulic unit and its surroundings to prevent any foreign bodies from entering it.

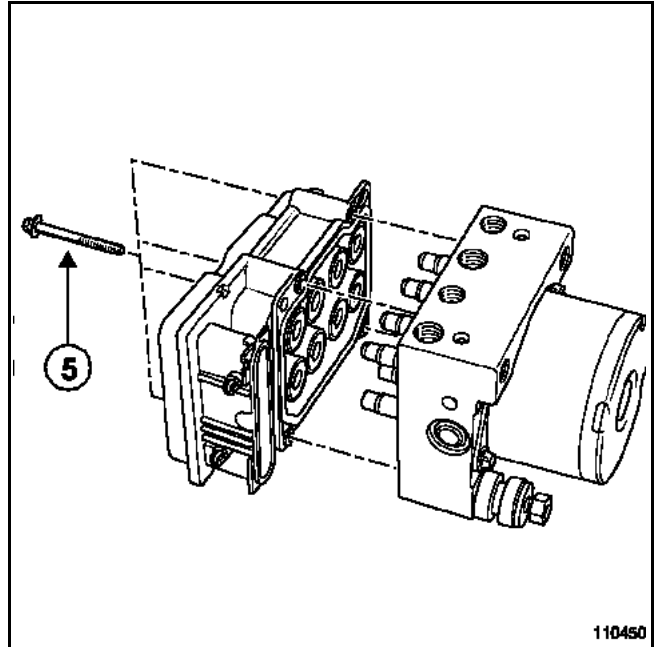
Disconnect the computer connector.

WARNING

Take care not to damage the coils when removing the hydraulic unit computer.

Handle the computer with care.

Do not blow into the inside of the computer or the hydraulic unit when they are separated.



Remove:

- computer mounting bolts (5),
- the computer.

REFITTING

WARNING

Do not scratch the sealing surface of the hydraulic unit with metal tools.

Any damage to the hydraulic unit sealing surface will render it necessary to replace the assembly.

If the computer seal is damaged, replace the computer.

Clean the sealing surface of the hydraulic unit using a wooden spatula.

WARNING

It is essential to highlight that great attention must be paid when carrying out this operation to prevent foreign bodies from entering the hydraulic assembly.

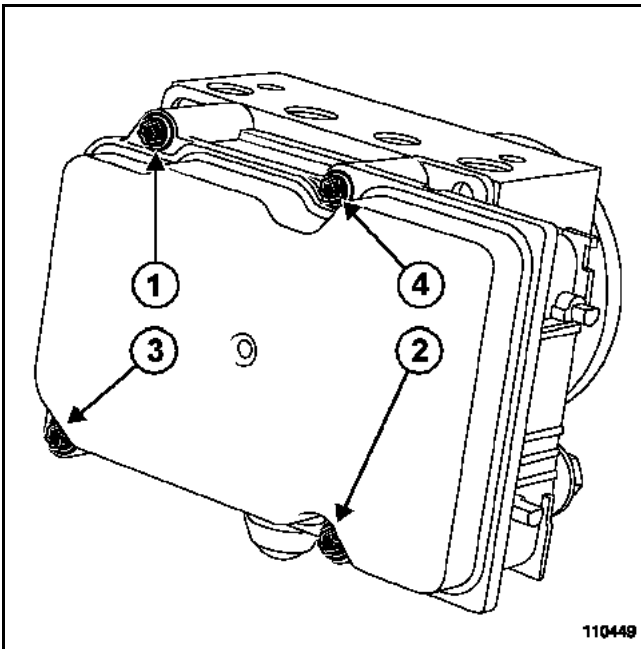
Carefully refit the computer.

Note:

The computer must fit on to the hydraulic unit without encountering any resistance.

WARNING

It is essential to replace the computer bolts each time they are removed.



Tighten to torque and in order (1, 2, 3 then 4) the **computer mounting bolts (3 Nm)**.

To refit, proceed in the reverse order to removal.

Reconnect the battery, starting with the positive terminal.

WARNING

Carry out the necessary programming (see **80A, Battery, Battery: Removal/Refitting**).

Carry out the following procedures:

- configure the vehicle parameter using the **VP004** command,
- enter the VIN using the **VP001** command,
- configure the tachometric index using the **VP007** command,
- perform a road test followed by a fault reading to confirm that the system is operating correctly.