



How to change glow
plugs on **CITROËN**
JUMPER Box (230L) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

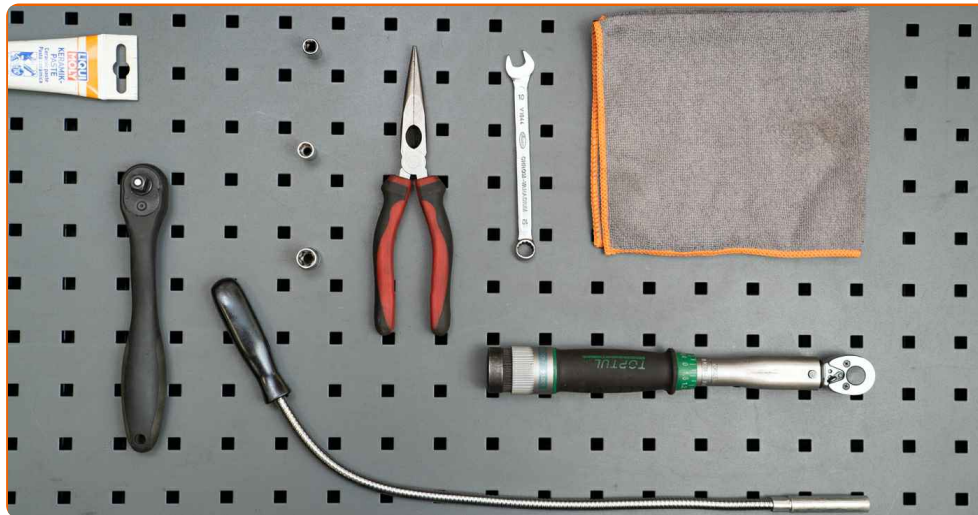
Important!

This replacement procedure can be used for:
 CITROËN JUMPER Box (230L) 1.9 D, CITROËN JUMPER Box (230L) 1.9 TD, CITROËN JUMPER Box (230L) 2.5 D, CITROËN JUMPER Box (230L) 2.5 TD, CITROËN JUMPER Box (230L) 2.5 D 4x4, CITROËN JUMPER Box (230L) 2.5 DT 4x4

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: CITROËN Berlingo / Berlingo First Van (M_) 1.9 D

REPLACEMENT: GLOW PLUGS – CITROËN JUMPER BOX (230L). TOOLS YOU NEED:



- High-temperature ceramic grease
- Torque wrench
- Combination spanner #10
- Drive socket # 7
- Drive socket # 8
- Spark plug socket # 12
- Ratchet wrench
- Telescoping magnet
- Long nose pliers
- Microfibre towel
- Fender cover

Buy tools

Replacement: glow plugs – CITROËN JUMPER Box (230L). AUTODOC experts recommend:

- The replacement procedure is identical for all glow plugs.
- Please note: all work on the car – CITROËN JUMPER Box (230L) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Before getting down to work, start the engine and let it warm up to operating temperature.

4 Shut off the engine.

5 Unscrew the negative battery terminal fastener. Use a combination spanner #10.



6 Disconnect the earth cable terminal from the battery.



7 Loosen the air hose clamps. Use a drive socket #7. Use a ratchet wrench.



8 Remove the air duct.



9 Cover the intake manifold inlet with a towel.



10 Unscrew the fasteners that connect the power cables to the glow plugs. Use a drive socket #8. Use a ratchet wrench.



11 Remove the fastening nuts. Use a telescoping magnet.



12

Remove the power cable. Use long nose pliers.



13

Clean the glow plug mounting seats.



14

Unscrew the glow plugs. Use the spark plug socket #12. Use a torque wrench.



Replacement: glow plugs – CITROËN JUMPER Box (230L). Tip from AUTODOC experts:

- The glow plugs can get stuck over time and break apart when removed.
- Use a torque wrench to loosen the parts to avoid exceeding the breakaway torque specified by the car manufacturer.
- If you have reached the breakaway torque but the glow plugs still won't unscrew, you need to consult a professional: breakage of the parts can result in costly engine repairs.

15 Remove the glow plugs. Use long nose pliers.



16 Treat the glow plugs. Use high-temperature ceramic grease.



17 Install new glow plugs to their mounting seats. Use long nose pliers.



18 Tighten the glow plugs. Use the spark plug socket #12. Use a torque wrench. Tighten it to 25 nm torque.



Replacement: glow plugs – CITROËN JUMPER Box (230L). Tip:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

19

Install the power cable.



20

Install the fastening nuts.



21

Tighten the fasteners that connect the power cables to the glow plugs. Use a drive socket #8. Use a torque wrench. Tighten it to 8 nm torque.



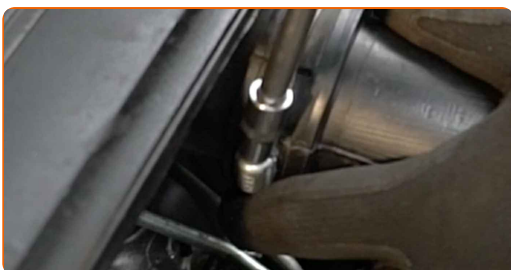
- 22 Remove the towel from the intake manifold inlet.



- 23 Install the air duct.



- 24 Screw in the air hose clamps. Use a drive socket #7. Use a ratchet wrench.



- 25 Connect the earth cable terminal to the battery.



- 26 Screw in the negative battery terminal fastener. Use a combination spanner #10.



27 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

28 Shut off the engine.

29 Remove the fender protection cover.

30 Close the hood.

WELL DONE! 

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GLOW PLUGS: A WIDE SELECTION

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