



How to change glow
plugs on **NISSAN**
Primastar Platform /
Chassis (X83) –
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:
NISSAN Primastar Platform / Chassis (X83) 2.5 dCi 140, NISSAN Primastar Platform / Chassis (X83) 2.5 dCi 150

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: RENAULT MASTER II Box (FD) 2.2 dCi 90

REPLACEMENT: GLOW PLUGS – NISSAN PRIMASTAR PLATFORM / CHASSIS (X83). TOOLS YOU'LL NEED:



- WD-40 spray
- Electronic spray
- Ceramic grease
- Torque wrench
- 7 mm socket
- 10 mm socket
- 10 mm glow plug socket
- Ratchet wrench
- Glow plug pliers
- Fender cover

[Buy tools](#)

Replacement: glow plugs – NISSAN Primastar Platform / Chassis (X83).
AUTODOC experts recommend:

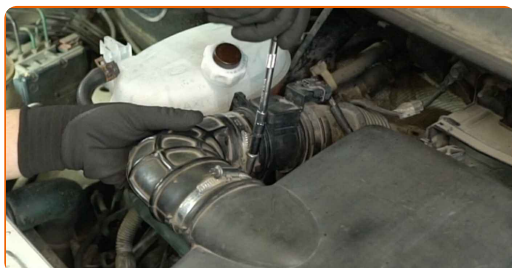
- The replacement procedure is identical for all glow plugs.
- All the work should be carried out with the ignition switched off.

REPLACEMENT: GLOW PLUGS – NISSAN PRIMASTAR PLATFORM / CHASSIS (X83). USE THE FOLLOWING PROCEDURE:

1 Open the bonnet.

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

3 Loosen the clamp that connects the air intake hose to the mass air flow sensor. Use a 7 mm socket. Use a ratchet wrench.



4 Detach the air intake hose from the MAF sensor.



Replacement: glow plugs – NISSAN Primastar Platform / Chassis (X83).
Professionals recommend:

- Protect the MAF sensor and other air intake system components from contaminants getting in.

5

Remove the air filter housing together with the air intake hose.



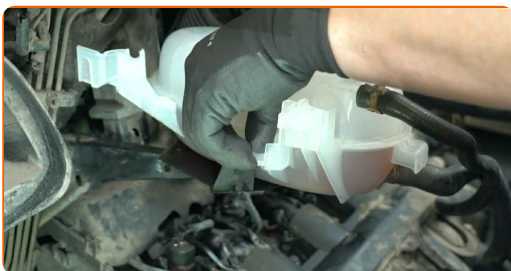
6

Unscrew the coolant expansion tank fastener. Use a 10 mm socket. Use a ratchet wrench.



7

Remove the fastening bolt.



8

Remove the coolant expansion tank.



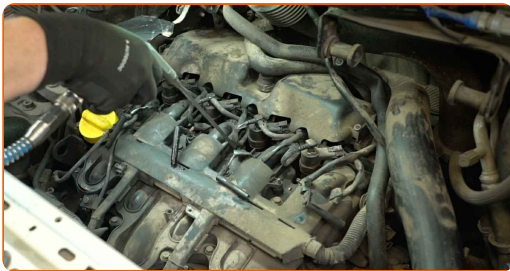
9

Detach the glow plug connectors.



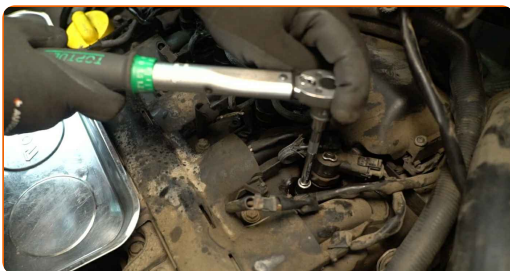
10

Clean the glow plug wells. Use WD-40 spray.



11

Unscrew the glow plugs. Use a 10 mm glow plug socket. Use a torque wrench. Use a ratchet wrench.

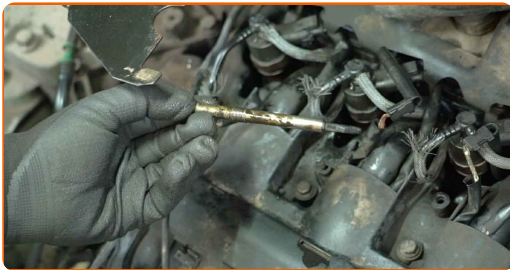


Replacement: glow plugs – NISSAN Primastar Platform / Chassis (X83). Tip from AUTODOC:

- Glow plugs can get stuck over time and break apart when removed.
- Before unscrewing the parts, use a torque wrench to loosen them to avoid exceeding the breakaway torque specified by the car manufacturer.
- If you have reached the breakaway torque but the glow plugs still will not loosen up, you need to seek professional help: a glow plug fragment left inside the well or damage to the thread of the mounting seat can result in costly engine repairs.

12

Remove the glow plugs. Use glow plug pliers.



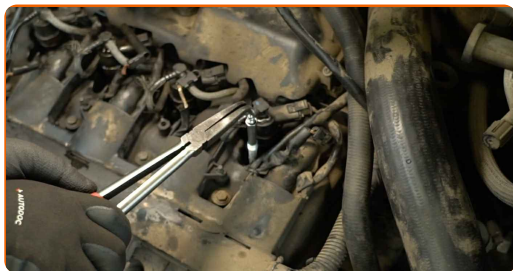
13

Treat the new glow plugs. Use ceramic grease.



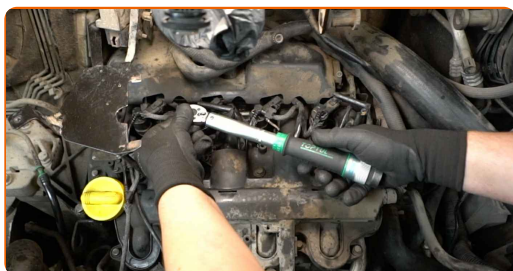
14

Install the new glow plugs into their mounting seats. Use glow plug pliers. Use a ratchet wrench.



15

Tighten the glow plugs. Use a 10 mm glow plug socket. Use a torque wrench. Tightening torque: 15 N·m.

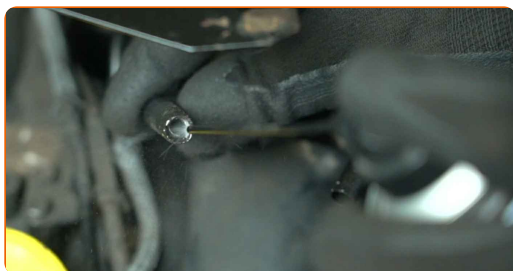


Replacement: glow plugs – NISSAN Primastar Platform / Chassis (X83).
AUTODOC recommends:

- Don't use excessive force when tightening the glow plugs. Overtightening can damage the threaded connection.

16

Treat the glow plug connectors. Use an electronic spray.



- 17** Attach the glow plug connectors.



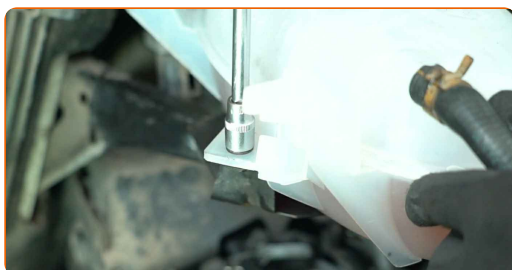
- 18** Install the coolant expansion tank.



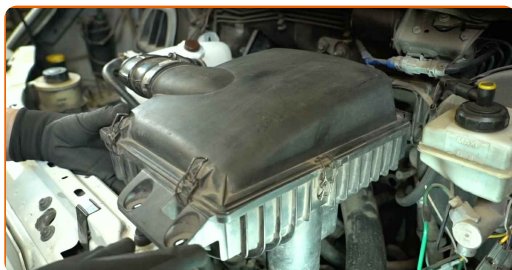
- 19** Install the fastening bolt.



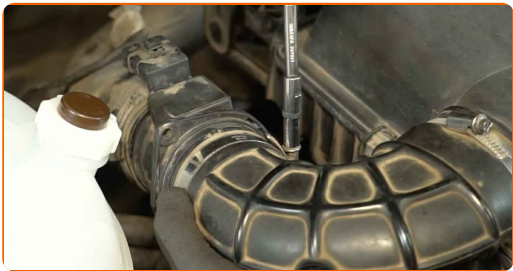
- 20** Tighten the expansion tank fastener. Use a 10 mm socket. Use a ratchet wrench.



- 21** Install the air filter housing together with the air intake hose.



- 22 Attach the air intake hose to the MAF sensor.

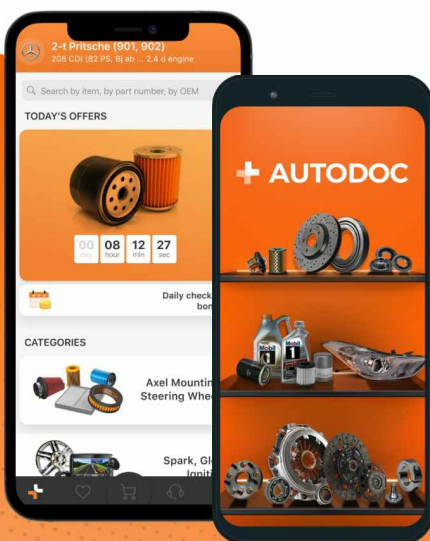
- 23 Tighten the clamp that connects the air intake hose to the MAF sensor. Use a 7 mm socket. Use a ratchet wrench.

- 24 Run the engine for a few minutes. This is necessary to ensure that the components work properly.
- 25 Switch off the engine.
- 26 Remove the fender cover.
- 27 Close the bonnet.

WELL DONE! 

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GLOW PLUGS: A WIDE SELECTION

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