



How to change camshaft  
position sensor on  
**NISSAN X-Trail (T31)** –  
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 X-TRAIL (T31) 2.0 dCi, NISSAN X-TRAIL (T31) 2.0 dCi 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: RENAULT MASTER II Box (FD) 2.2 dCi 90

## REPLACEMENT: CAMSHAFT POSITION SENSOR – NISSAN X-TRAIL (T31). TOOLS YOU'LL NEED:



- Wire brush
- All-purpose cleaning spray
- Electronic spray
- Torque wrench
- 10 mm socket
- Ratchet wrench
- Mounting lever
- Paper towels

[Buy tools](#)

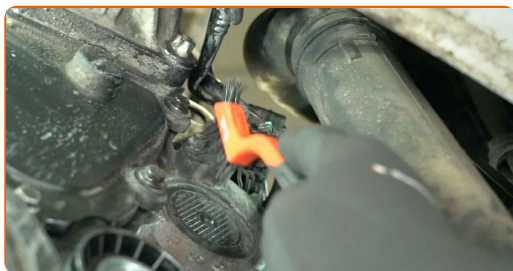
Replacement: camshaft position sensor – NISSAN X-Trail (T31). AUTODOC recommends:

- All the work should be carried out with the ignition switched off.

## REPLACEMENT: CAMSHAFT POSITION SENSOR – NISSAN X-TRAIL (T31). TAKE THE FOLLOWING STEPS:

1 Lift the vehicle using a vehicle lift or place it over an inspection pit.

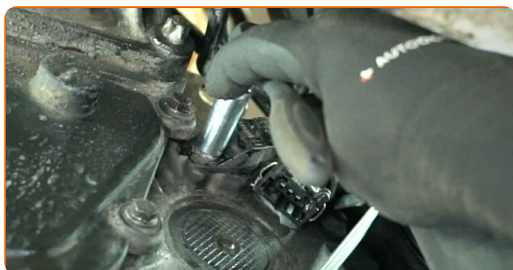
2 Clean the fastener of the camshaft position sensor. Use a wire brush. Use an all-purpose cleaning spray.



3 Detach the connector of the camshaft position sensor.

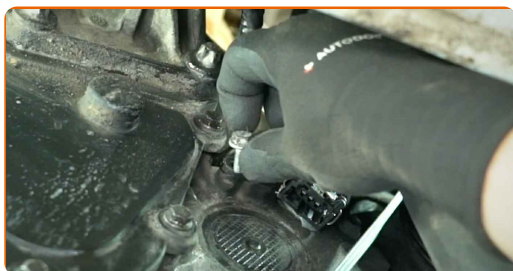


4 Unscrew the fastener of the camshaft position sensor. Use a 10 mm socket. Use a ratchet wrench.



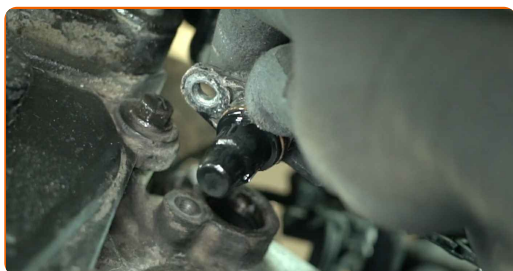
5

Remove the fastening bolt.



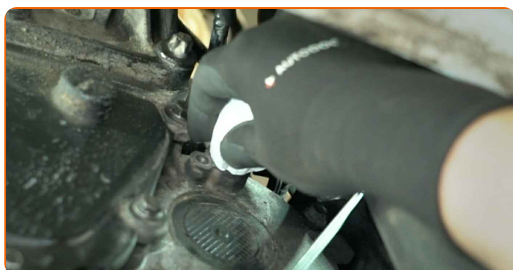
6

Remove the camshaft position sensor.



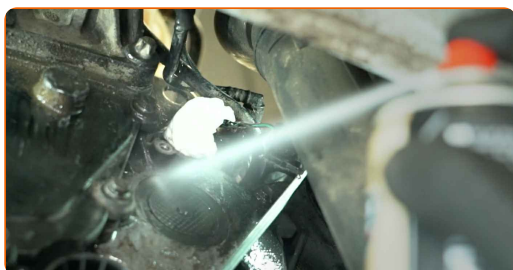
7

Plug the sensor mounting hole with a paper towel to prevent dust and dirt from getting in.



8

Clean the mounting seat of the camshaft position sensor. Use an all-purpose cleaning spray.

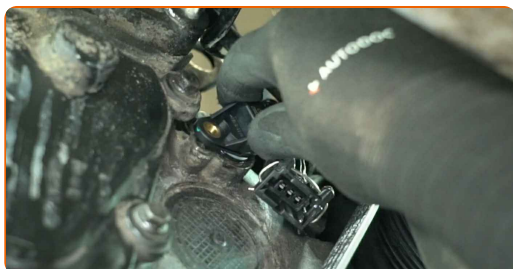


- 9 Treat the connector of the camshaft position sensor. Use an electronic spray.

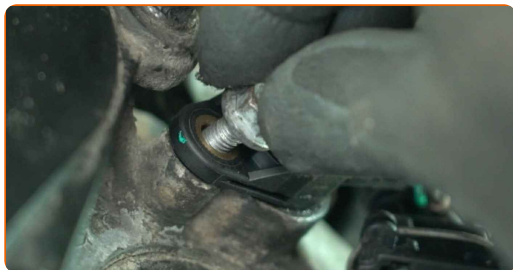


- 10 Remove the paper towel from the mounting hole.

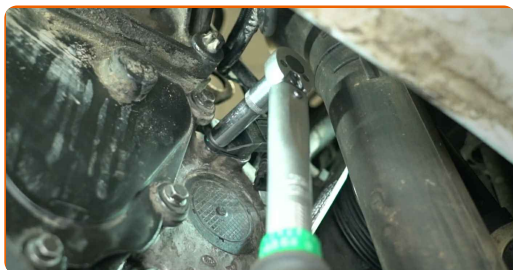
- 11 Install the new camshaft position sensor.



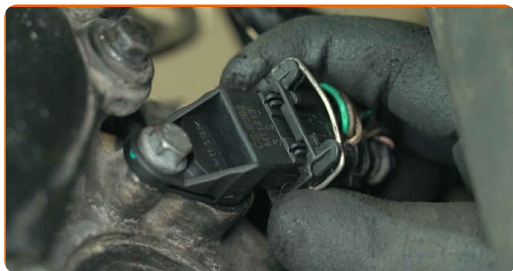
- 12 Install and screw in the fastening bolt. Use a 10 mm socket. Use a ratchet wrench.



- 13 Tighten the fastener of the camshaft position sensor. Use a 10 mm socket. Use a torque wrench. Tightening torque: 10 N·m.

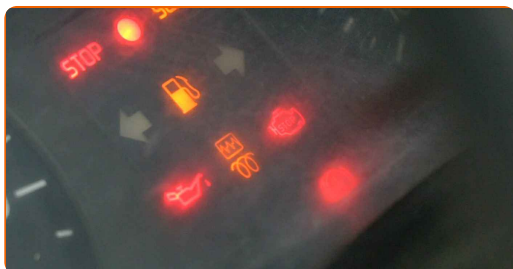


- 14 Attach the connector of the camshaft position sensor.



- 15 Lower the vehicle.

- 16 Check that the new component is working.

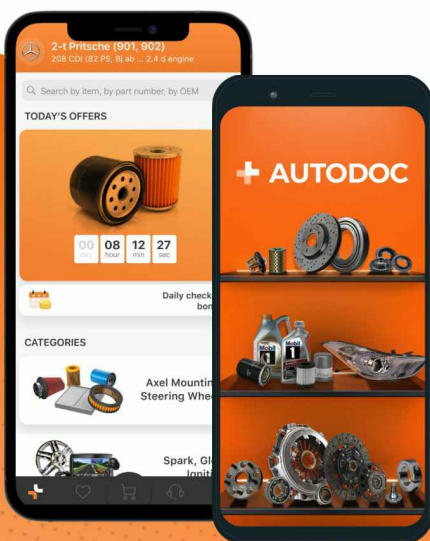


**WELL DONE!** 👍

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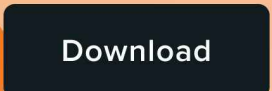
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**CAMSHAFT POSITION SENSOR: A WIDE SELECTION**

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