



How to change fuel filter  
on **NISSAN PATROL**  
**Hardtop (K160)** –  
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 PATROL Hardtop (K160) 3.2 TD

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: NISSAN X-TRAIL (T30) 2.2 dCi 4x4

REPLACEMENT: FUEL FILTER – NISSAN PATROL  
HARDTOP (K160). LIST OF THE TOOLS YOU'LL NEED:



- All-purpose cleaning spray
- Drive socket # 10
- Ratchet wrench
- Flat Screwdriver
- Phillips screwdriver
- Pliers
- Fender cover

**Buy tools**

Replacement: fuel filter – NISSAN PATROL Hardtop (K160). AUTODOC experts recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- All work should be done with the engine stopped.

## REPLACEMENT: FUEL FILTER – NISSAN PATROL HARDTOP (K160). USE THE FOLLOWING PROCEDURE:

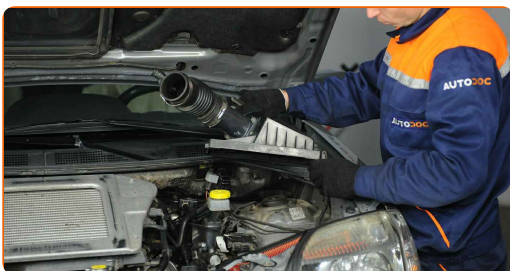
**1** Open the bonnet.

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

**3** Slide the filter cover clips. Use a flat screwdriver.



**4** Take off the filter lid.



**5** Demount the air filter.



**6** Disconnect the crankcase ventilation hose from the air duct.

**7** Loosen the air intake fastening. Use a flat screwdriver.



**8** Detach the vacuum pipe. Use pliers.



**9** Unscrew the fuel filter bracket fixing bolts. Use a drive socket #10. Use a ratchet wrench. Use a Phillips screwdriver.



**10** Remove the fuel filter together with its bracket.



**11** Clean the fasteners of the fuel supply lines. Use all-purpose cleaning spray.

**12** Loosen the fastening clamps of the fuel filter pipes. Use pliers.



**13** Detach the tubes from the fuel filter.



Replacement: fuel filter – NISSAN PATROL Hardtop (K160). AUTODOC experts recommend:

- Be careful! Fuel may leak from the filter housing and hoses.

14 Unscrew the lower cap of the fuel filter.



15 Remove the fuel filter.



16 Put the old filter cartridge in the container.



17 Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



18 Install a new fuel filter.



Replacement: fuel filter – NISSAN PATROL Hardtop (K160). Professionals recommend:

- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- Take care to only use quality filters.

19

Remove the rubber strip. Use a flat screwdriver.



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Install the rubber strip.



21

Install the lower cap onto the new fuel filter.



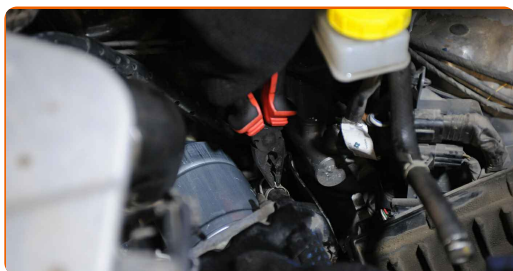
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Install the new fuel filter together with its bracket.

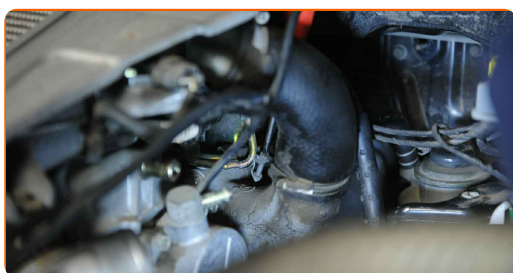




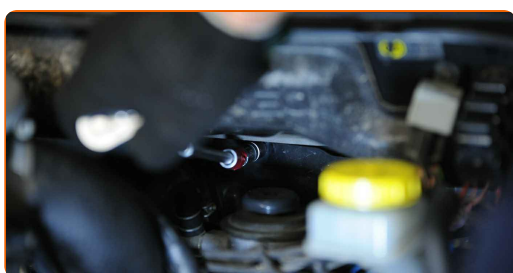
**23** Attach the tubes to the fuel filter. Use pliers.



**24** Tighten the fastening clamps of the fuel filter pipes. Use pliers.



**25** Screw the fixing bolts of the fuel filter bracket. Use a drive socket #10. Use a ratchet wrench. Use a Phillips screwdriver.



**26** Attach the vacuum pipe. Use pliers.



**27** Install the air filter.



**28** Reinstall the air filter cover. Fasten it.

**29** Lock the retaining clips of the air filter housing cover. Use a flat screwdriver.



**30** Secure the fastener of the air intake duct. Use a flat screwdriver.



**31** Connect the crankcase ventilation hose to the air duct.



**32** Remove the fender protection cover.

**33** Close the hood.

**WELL DONE!** 

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**FUEL FILTER: A WIDE SELECTION**

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