AUTODOC CLUB

# How to change spark plugs on **FIAT TEMPRA S.W. (159)** – 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:
FIAT TEMPRA S.W. (159) 1.4 i.e.

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: FIAT PUNTO (188) 1.2 60

# REPLACEMENT: SPARK PLUGS – FIAT TEMPRA S.W. (159). LIST OF THE TOOLS YOU'LL NEED:

- High-temperature anti-seize lubricant
- Drive socket # 10
- Drive socket # 16
- Spark plug socket # 16
- Ratchet wrench
- Torque wrench
- Crow bar
- Flat Screwdriver
- Microfibre towel
- Fender cover

Buy tools

Replacement: spark plugs – FIAT TEMPRA S.W. (159). Tip from AUTODOC:

- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

## REPLACEMENT: SPARK PLUGS – FIAT TEMPRA S.W. (159). TAKE THE FOLLOWING STEPS:

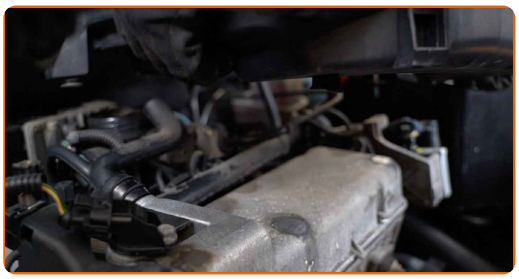
1 Open the hood.

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

3 Unscrew the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.

4 Remove the air filter housing retaining spring.

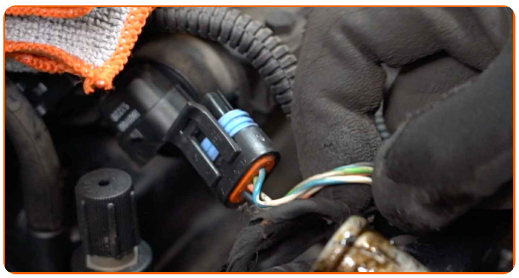
5 Remove the air filter housing.



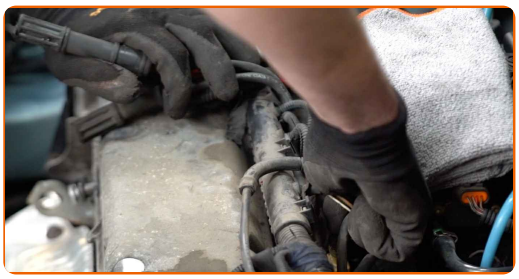
6 Cover the throttle body with a microfibre towel to prevent dust and dirt from getting into the system.

7 Detach the crankcase ventilation hose from the engine cover at the left. Use a crowbar.

8 Detach the throttle valve connectors. Use a crowbar.



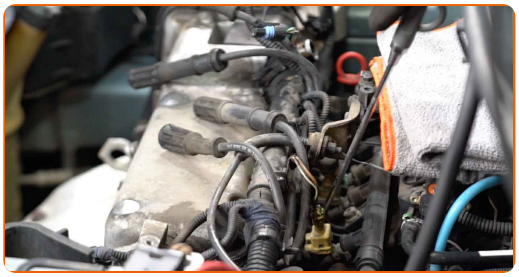
9 Remove the spark plug wire connectors from the spark plug wells.



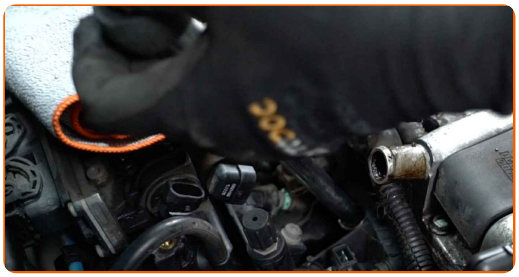
## Replacement: spark plugs – FIAT TEMPRA S.W. (159). AUTODOC recommends:

- Be careful to avoid damaging spark plug wires.
- Remember the sequence of the spark plug wires connectors.

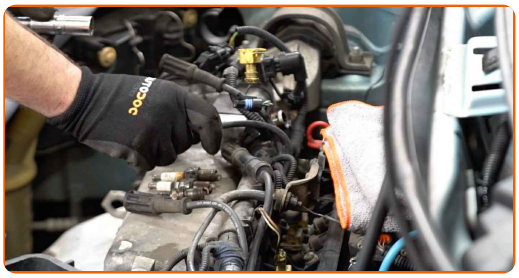
**10** Clean dirt, dust and debris from inside the spark plug wells.



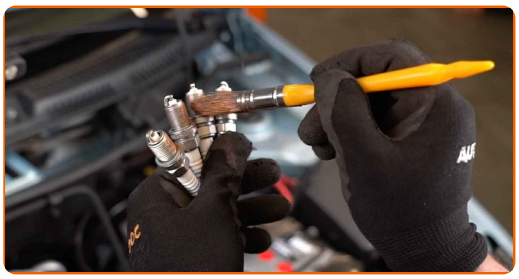
**11** Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



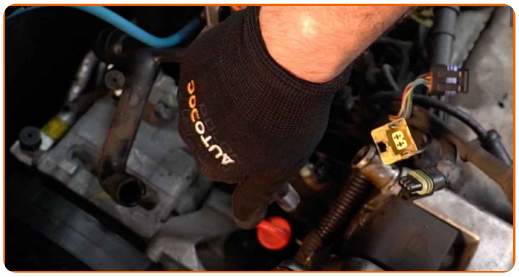
**12** Take out the spark plugs. Use the spark plug socket #16.



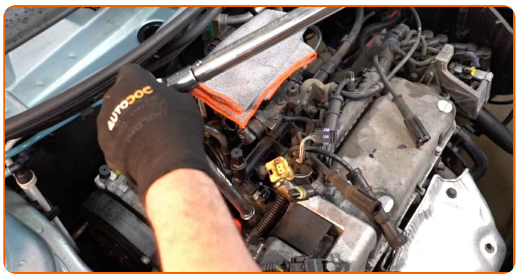
**13** Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



**14** Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



**15** Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 27 nm torque.

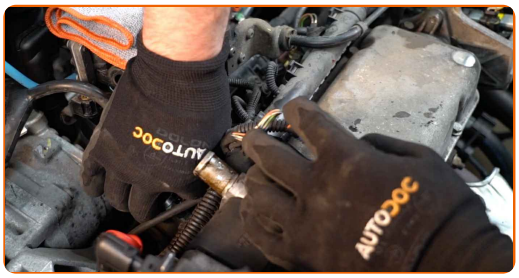


## Replacement: spark plugs – FIAT TEMPRA S.W. (159). Professionals recommend:

- 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.

**16** Treat the spark plug wire connectors. Use high-temperature grease. Use a flat screwdriver.

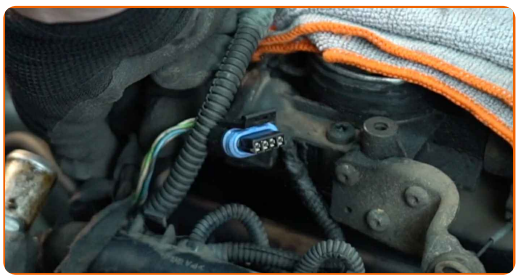
**17** Install the spark plug wire connectors into the spark plug wells. Make sure you hear a click indicating that it is locked in place.



## AUTODOC recommends:

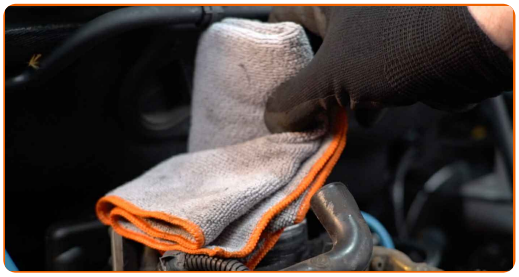
- Replacement: spark plugs – FIAT TEMPRA S.W. (159). Follow the installation steps.

**18** Attach the throttle valve connectors.

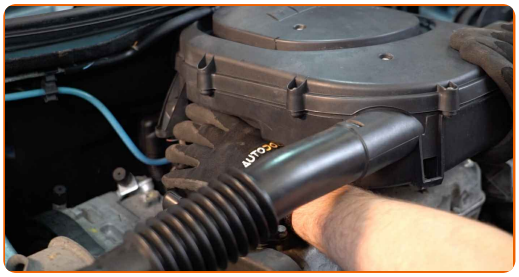


**19** Attach the crankcase ventilation hose to the engine cover at the left.

**20** Remove the microfibre towel from the throttle body.



**21** Reinstall the air filter housing.



## AUTODOC recommends:

- Make sure the air filter body is properly seated. It should not be displaced with respect to the air intake hose of the throttle body and the guiding fasteners.

22 Screw the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.

23 Install the air filter housing retaining spring.

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

25 Shut off the engine.

26 Remove the fender protection cover.

27 Close the hood.

## WELL DONE!

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