



How to change ignition  
coil on **Mini R50, R53** –  
replacement guide

## VIDEO TUTORIAL



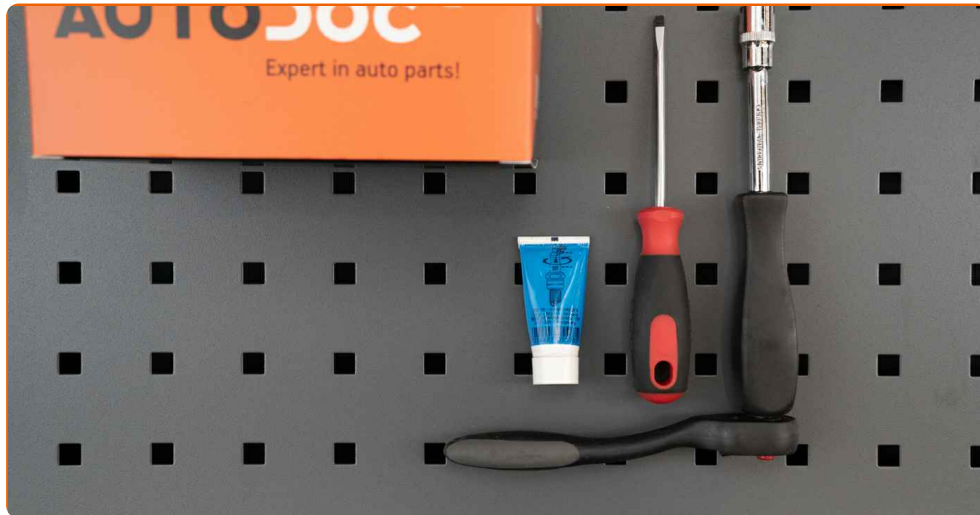
### **i Important!**

This replacement procedure can be used for:

MINI Hatchback (R50, R53) 1.6 One, MINI Hatchback (R50, R53) 1.6 Cooper, MINI Hatchback (R50, R53) 1.6 Cooper S, MINI Hatchback (R50, R53) 1.6 Works, MINI Convertible (R52) 1.6 One, MINI Convertible (R52) 1.6 Cooper, MINI Convertible (R52) 1.6 Cooper S, MINI Convertible (R52) 1.6 John Cooper Works, MINI Hatchback (R50, R53) 1.6 S Works, MINI Hatchback (R50, R53) One, MINI Hatchback (R50, R53) 1.6 John Cooper Works

The steps may slightly vary depending on the car design.

## REPLACEMENT: IGNITION COIL – MINI R50, R53. TOOLS YOU'LL NEED:



- High-temperature anti-seize lubricant
- Drive socket # 10
- Ratchet wrench
- Flat screwdriver
- Fender cover

[BUY TOOLS](#)

Replacement: ignition coil – Mini R50, R53. AUTODOC recommends:

- The replacement procedure is the same for the ignition coils of all cylinders.
- All work should be done with the engine stopped.

## REPLACEMENT: IGNITION COIL – MINI R50, R53. 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

Remove the spark plug wire connectors from the spark plug wells. Disconnect the spark plug wires from the ignition coil.

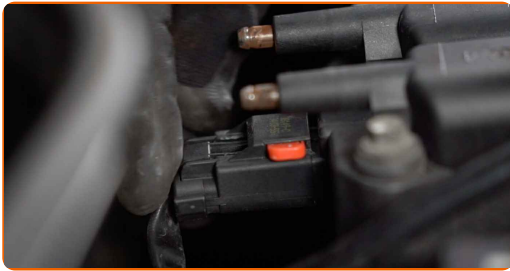


Replacement: ignition coil – Mini R50, R53. AUTODOC experts recommend:

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

4

Detach the connector from the ignition coil. Use a flat screwdriver.



5

Unscrew the ignition coil bracket. Use a drive socket #10. Use a ratchet wrench.



6

Remove the ignition coil.



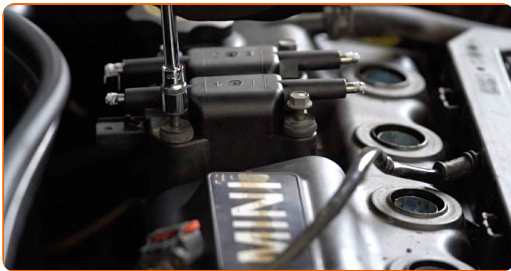
7 Treat the ignition coil tips. Use high-temperature grease. Use a flat screwdriver.



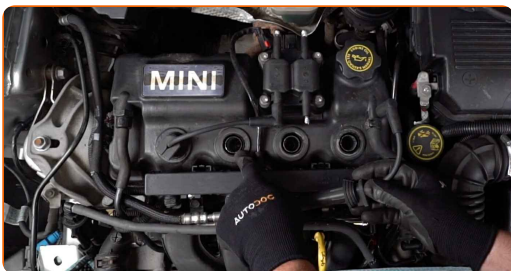
8 Install a new ignition coil.



9 Tighten the ignition coil fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 12 Nm torque.



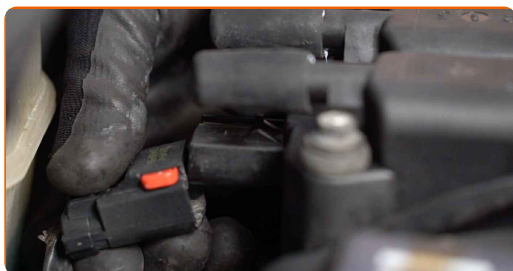
10 Install the spark plug wire connectors into the spark plug wells. Connect the spark plug wires to the ignition coil.



Replacement: ignition coil – Mini R50, R53. Tip:

- Follow the installation sequence.

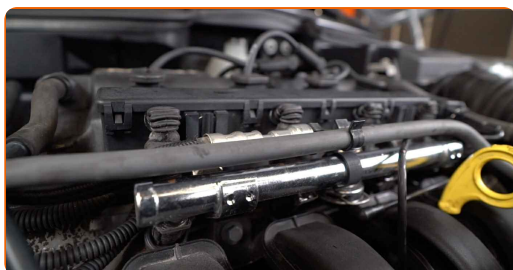
11 Plug in the ignition coil connector.



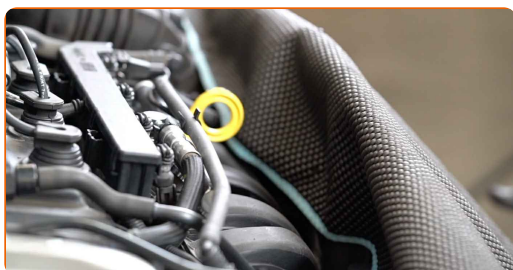
12 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



13 Shut off the engine.



14 Remove the fender protection cover.





15

Close the hood.



**WELL DONE!** 

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