

# RENAULT

## Technical Note 6505 A

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<i>Vehicle</i>	<i>Type</i>	<i>Engine</i>
All types	XXXX	All types of K4/F4 petrol injection

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Subsection concerned: 17B

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## FAULT FINDING - Ignition coils on K4 and F4 engines

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77 11 395 192

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Edition Anglaise

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"The repair procedures given by the Manufacturer in this document are based on the technical specifications current when it was prepared.

The procedures may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed."

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# PETROL INJECTION

## Fault finding - Test

**17B**

TEST 1	Checking the ignition coils
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NOTES	<b>Note:</b> This test is recommended for K4 and F4 engines only.
	Apply this test to confirm whether one or more coils are defective after the following customer complaints: rough idle and/or hesitation when driving.
	<b>Special note:</b> To apply this procedure, use special tool Elé. 1808: ignition coil tester, available from the Parts Department catalogue, part no.: 77 11 381 808.

Using the **CLIP diagnostic tool**, in the INJECTION field, note the faults displayed then clear them from the computer memory.

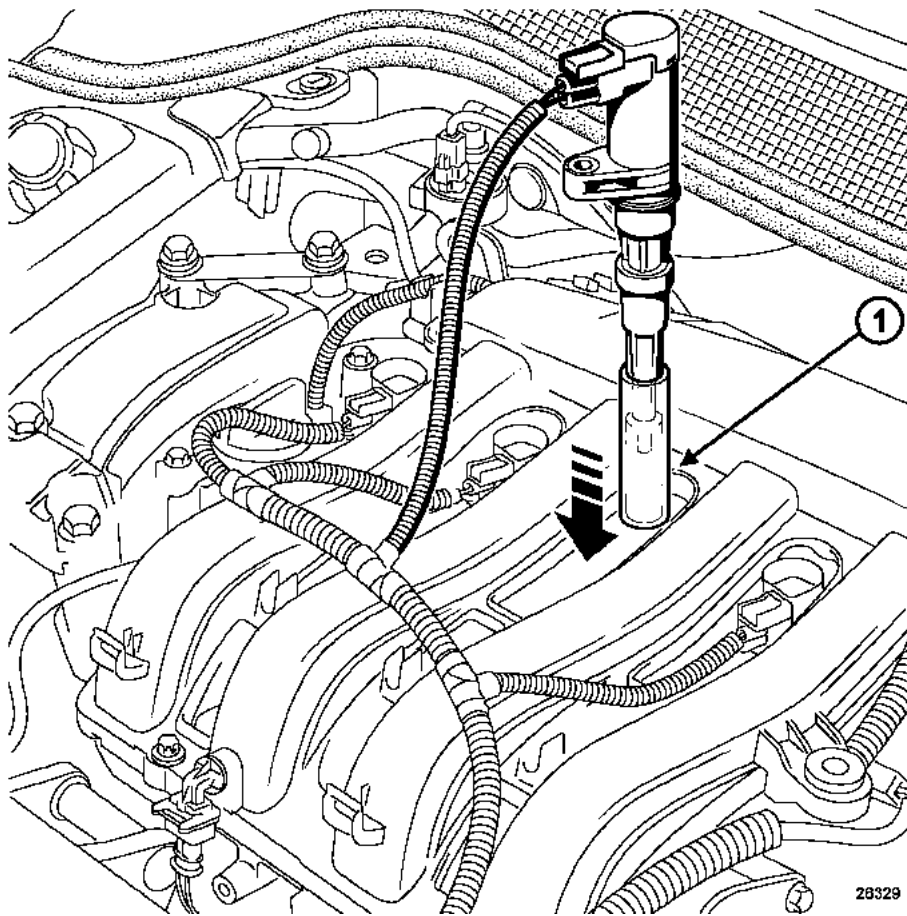


# PETROL INJECTION

## Fault finding - Test

**17B****TEST 1****CONTINUED 1**

- Switch off the ignition.
  - Remove the cylinder 1 pencil coil (flywheel end) without disconnecting the connector.
- Special cases: for MEGANE II RENAULT SPORT phase 1 and 2 and CLIO II and III RENAULT SPORT, it is essential to use cable part no. "21822057-5" available in the tool storage case for the module wiring "physical measuring unit". This cable is connected between the coil and the vehicle coil supply and control cable.
- Insert **Elé. 1808 (1)** into the coil.
  - Place the tool/coil assembly in the spark plug well.



# PETROL INJECTION

## Fault finding - Test

# 17B

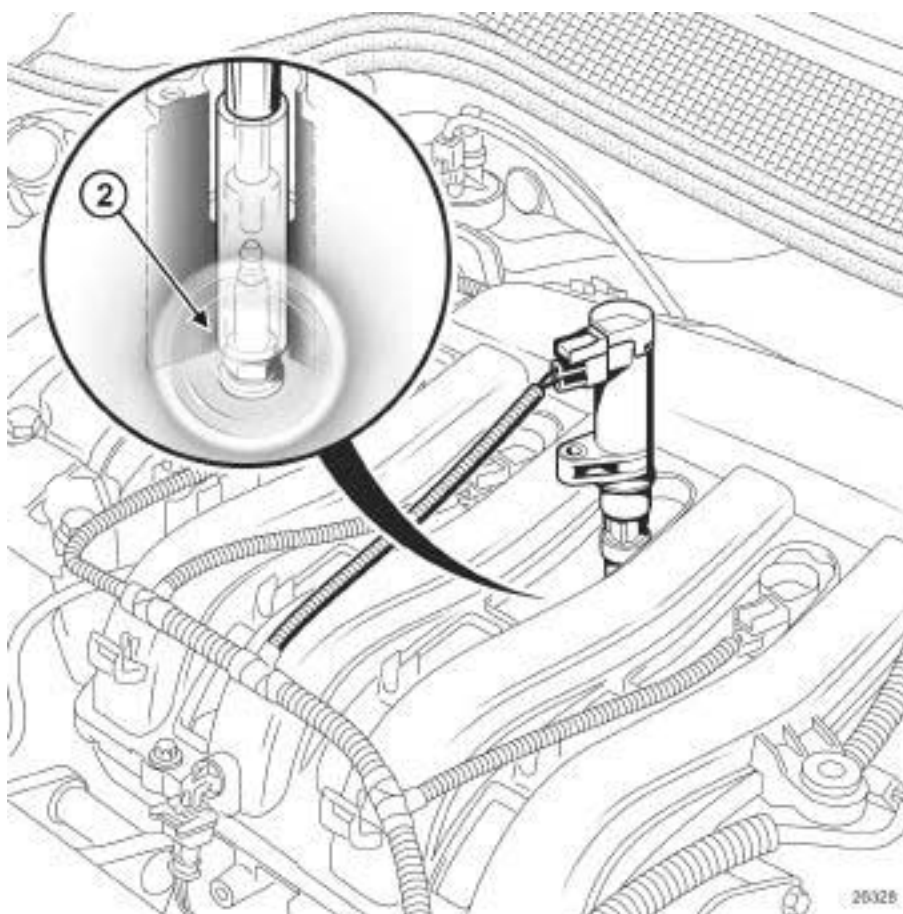
### TEST 1

### CONTINUED 2

- Start the engine and let it idle.
- Apply light pressure to the assembly to hold the coil in contact with the tool.

Observe the glow from the electric arc on the spark plug well wall (2).

Special cases: for SCENIC II phase 1 and 2, a mirror may be needed to observe the glow from the electric arc on the spark plug well wall (tool Elé. 1170).



Is a glow from the electric arc visible on the spark plug well wall?

YES

NO

- Stop the engine and switch off the ignition.
- Remove Elé. 1808 and refit the cylinder 1 coil (**it is essential to apply dielectric insulating grease part no. 82 00 168 855**) (see Technical Note 3789A, GREASING SPARK PLUG CAPS).

- The coil is defective.
- Replace this coil with a new part.
  - Using the **CLIP diagnostic tool**, in the INJECTION field, clear the faults from the computer memory.

Apply this procedure to the other cylinders, one by one.