



If the specification is not attained:

- Check wire between 3-pin connector contact 1 and Ground for open circuit according to wiring diagram.

Wire resistance: Max. 1.5 ohms (  $\Omega$  )

- Check wire between 3-pin connector contact 3 and relay plate for open circuit according to wiring diagram.

Resistance: max. 1.5 ohms (  $\Omega$  )

If no wiring malfunction is detected and voltage was present between terminals 1 and 3:

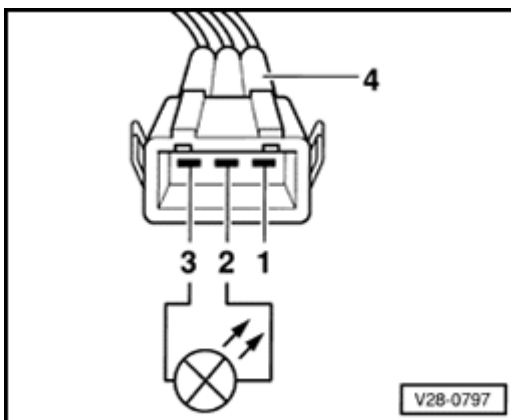
- Replace ignition coil -N152- => Page [28-2](#), item [7](#).

If no wiring malfunction is detected and no voltage was present between terminals 1 and 3:

- Replace Engine Control Module (ECM) -J220- => Page [24-9](#), item [12](#).
- Read the readiness code => page [01-32](#). If DTC memory has been erased, verify repair via appropriate display group => Page [01-34](#), Readiness code, creating.

### Checking activation

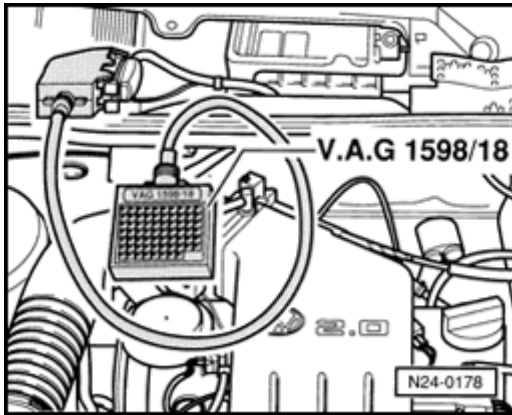
- Disconnect the engine harness center connector => Page [24-2](#), item [11](#).



- Connect VAG 1527B voltage tester with test leads from VW 1594 and adapters VW 1594/15 to terminals 2 and 3 of the connector.
- Operate starter and check ignition signal from ECM.
- LED must flicker

- Turn off ignition.

If the LED does not flicker:



- Connect VAG 1598/18 test box to ECM wiring harness.
- Check wiring between 3-pin connector and test box for open circuit according to wiring diagram.

Terminal 2 and test box socket 8

Resistance: max. 1.5 ohms (  $\Omega$  )

- Additionally check the wiring for short circuit to each other.
  - ♦ Terminal 1 and test box socket 8
  - ♦ Terminal 3 and test box socket 8

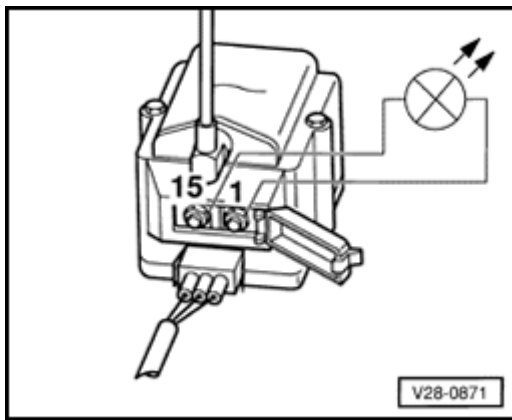
Specification:  $\infty$  ohms (  $\Omega$  )

If no wiring malfunction is detected and voltage was present between terminals 1 and 3:

- Replace ECM -J220- => Page [24-9](#), item [12](#).
- Read readiness code => Page [01-32](#). If DTC memory has been erased, verify repair via appropriate display group => Page [01-34](#), Readiness code, creating.

If the voltage supply and activation is OK.:

- Reconnect 3-pin harness connector and ignition wire to ignition coil.



- Connect LED voltage tester with test leads to terminals 1 and 15 on ignition coil.

**CAUTION!**

During the following test do not touch the terminals of the ignition coil or test cables.

- Operate starter.
- LED must flicker
- If necessary, replace ignition coil power output stage.