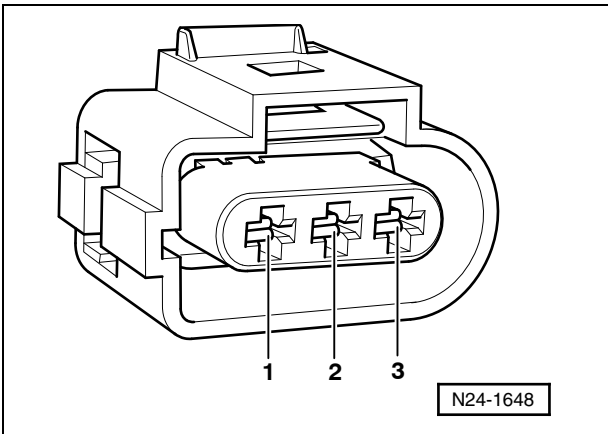


Camshaft position sensors (G40 / G163), testing

- ◀ The camshaft position sensors are located on the left side of the 3.2L cylinder head.
 - G40 - camshaft position sensor for intake camshaft
 - G163 - camshaft position sensor for exhaust camshaft
- Disconnect harness connector for camshaft position sensor.



- ◀ Connect test leads of multimeter between terminal 1 (B+) and terminal 3 (ground).
 1. Voltage supply (+)
 2. Signal
 3. Ground (-)
- Switch ignition on.
 - Specified value: minimum 4.5 V
- If specification is not obtained, check wiring for open or short circuit using wiring diagrams. See **EWD Electrical Wiring Diagrams**.
- If above specifications are not obtained and no wiring faults can be found, replace camshaft position sensor.

Camshaft adjustment valves (N205 / N318), testing

- Disconnect 2-pin harness connector from camshaft adjustment valve.
 - N205 - valve 1 for camshaft adjuster (intake camshaft)
 - N318 - camshaft adjustment valve 1 (exhaust camshaft)

- ◀ Use a multimeter to measure resistance between two terminals of camshaft adjustment valve.
 - Specification: 10 - 18 Ω
- If specification is obtained, check wiring for open or short circuit using wiring diagrams. See **EWD Electrical Wiring Diagrams**.
- If specification is not obtained and no wiring faults can be found, replace control housing for camshaft adjustment with integral camshaft adjustment valves.

