

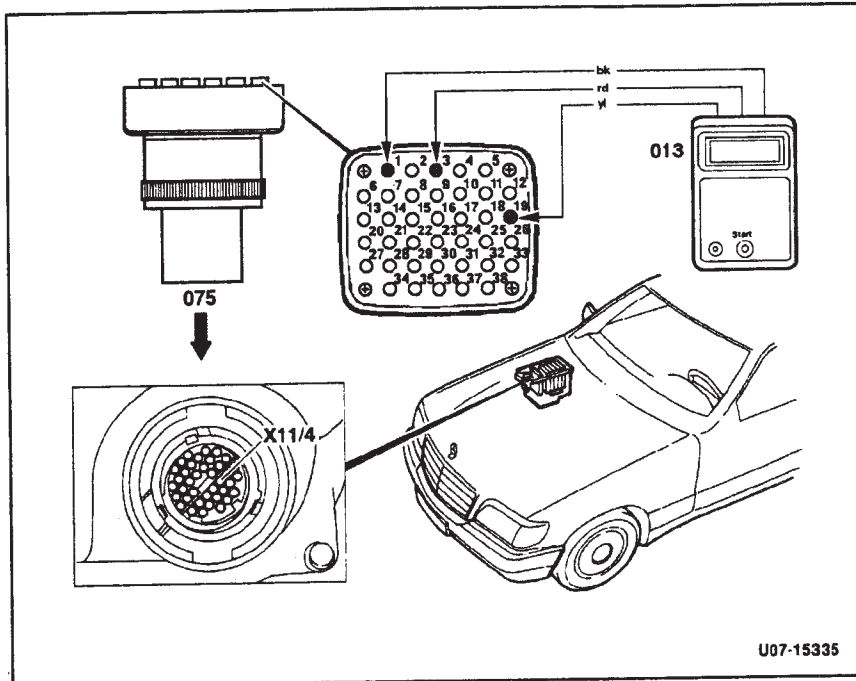
## Connection diagram

- 013 Impulse counter scan tool
- 075 Impulse counter scan tool adaptor
- X11/4 Data link connector (DTC readout, 38-pole)

**Note:**

Connect wires of impulse counter scan tool as follows:

- Socket 1 Black
- Socket 3 Red
- Socket 19 Yellow



## Fault table, DTC readout, Diagnostic module (N59)

DTC readout	Possible Cause
1	No faults in system
2	Oxygen sensor inoperative
3	Lambda control inoperative
4	Air injection system inoperative
5	Exhaust gas recirculation inoperative
6	Idle speed control inoperative
7	Ignition system defective
8	Engine coolant temperature sensor, open/short circuit
9	Intake air temperature sensor, open/short circuit
10	Voltage at mass air sensor too high/low
11	TN-signal (rpm) defective
12	Oxygen sensor heater, open/short circuit
13	Camshaft position sensor signal from ignition control module defective.
14	Intake manifold pressure too low when starting

**Fault table, DTC readout, Diagnostic module (N59)**

<b>DTC readout</b>	<b>Possible Cause</b>
15	Wide open throttle information defective
16	Closed throttle position information defective
17	Data exchange fault between individual control modules
18	Adjustable camshaft timing solenoid, open/short circuit
19	Injectors open/short circuit or emission control system adaptation at limit
20	Vehicle speed signal missing
21	Purge switchover valve, open/short circuit
22	Camshaft position sensor signal defective
23	Intake manifold pressure with engine running too low
24	Starter ring gear segments defective
25	Knock sensors defective
26	Upshift delay switchover valve, open/short circuit
27	Engine coolant temperature sensor deviation between sensor circuit 1 and sensor circuit 2
28	Engine coolant temperature sensor (engine coolant temperature change monitor)