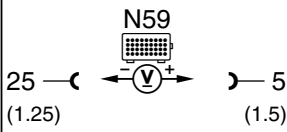
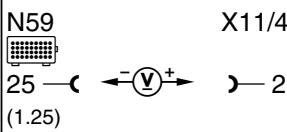
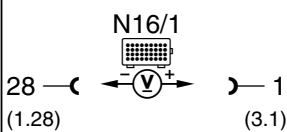

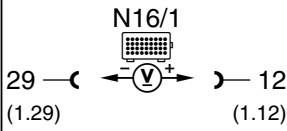
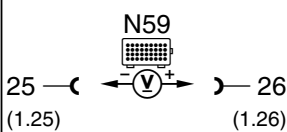
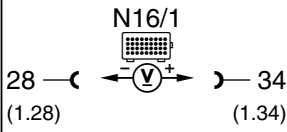

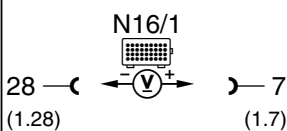


Electrical Test Program - Test

Test step DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/remedy
⇒ 1.0	Diagnostic module (N59) Voltage supply Circuit 30		Ignition: ON	11 – 14 V	⇒ 1.1 – 1.3.
⇒ 1.1	Ground, output ground, electronics (W15) (right footwell)		Ignition: ON	11 – 14 V	Ground wire at W15.
⇒ 1.2	Base module (N16/1) Voltage supply Circuit 30		Connect socket box to N16/1. Ignition: ON	11 – 14 V	Wire to terminal block (X4/10).
⇒ 1.3	9  Diagnostic Trouble Code from base module (N16/1) Voltage supply from N16/1 to diagnostic module (N59) Circuit 30		Ignition: ON	11 – 14 V	N16/1.

Electrical Test Program - Test

Test step DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/remedy
⇒ 2.0	Diagnostic module (N59) Voltage supply Circuit 87L		Ignition: ON	11 – 14 V	⇒ 2.1 – 2.2.
⇒ 2.1	Base module (N16/1) Voltage supply Circuit 15, unfused		Connect socket box to N16/1. Ignition: ON Ignition: OFF	11 – 14 V <1 V	Open circuit, Ignition/starter switch (S2/1). Open circuit, S2/1.
⇒ 2.2 10	 Diagnostic Trouble Code from base module (N16/1) Voltage supply (fused) for LH- SFI control module (N3/1)		Ignition: ON Ignition: OFF	11 – 14 V <1 V	Fuse (F2) at N16/1, N16/1.

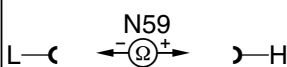
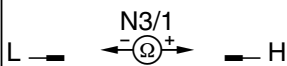
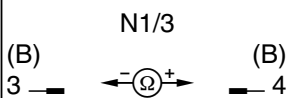
Electrical Test Program - Test

Test step DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/remedy
⇒ 3.0	Control of "CHECK ENGINE" malfunction indicator lamp	<p>28 —((1.28) ← V → (1.26) 26</p>	Ignition: ON	11 – 14 V	N59.
⇒ 4.0	Control of diagnostic wire	<p>25 —((1.25) ← V → (1.27) 27</p>	Ignition: ON	11 – 14 V	Open circuit, N59.
⇒ 5.0	Control of pushbutton (X11/21)	<p>33 —((2.33) ← V → (1.26) 26</p>	Ignition: ON Press pushbutton (X11/21).	11 – 14 V	Open circuit, Pushbutton (X11/21), N59.

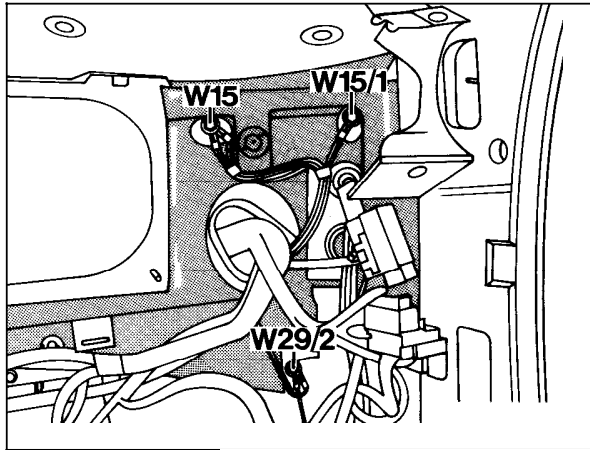
Electrical Test Program - Test

Test step DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/remedy
⇒ 6.0	Diagnostic module coding Engine 104	<p>29 —()— (1.29) ← (V) → (1.26) —()— 26</p> <p>30 —()— (1.30) ← (V) → (1.26) —()— 26</p>	Ignition: ON	11 – 14 V	Open circuit.
	Engine 119 (4.2 liter)	<p>9 —()— (1.9) ← (V) → (1.26) —()— 26</p>	Ignition: ON	11 – 14 V	Open circuit.
	Engine 119 (5.0 liter)	<p>29 —()— (1.29) ← (V) → (1.26) —()— 26</p>	Ignition: ON	11 – 14 V	Open circuit.

Electrical Test Program - Test

Test step DTC	Scope of test	Test connection	Test condition	Nominal value	Possible cause/remedy
⇒ 7.0	CAN data bus		Ignition: OFF Pull out contact module or diagnostic module. Test with ohmmeter directly at the the two wide connections of the diagnostic module (see Figure 2).	55 – 65 Ω	Data line, ⇒ 8.1, ⇒ 8.2.
⇒ 7.1	CAN Interface in LH-SFI control module (N3/1) Resistance		Pull out LH-SFI control module (N3/1) and test directly at LH-SFI control module (see Figure 3).	115 – 125 Ω	N3/1.
⇒ 7.2	CAN Interface in ignition control module (N1/3) Resistance		Unplug connector “B” at ignition control module and test directly at control module (see Figure 4).	115 – 125 Ω	Ignition control module.

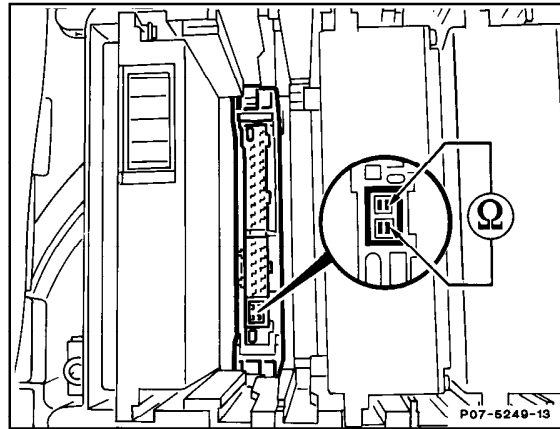
Electrical Test Program - Test



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Figure 1

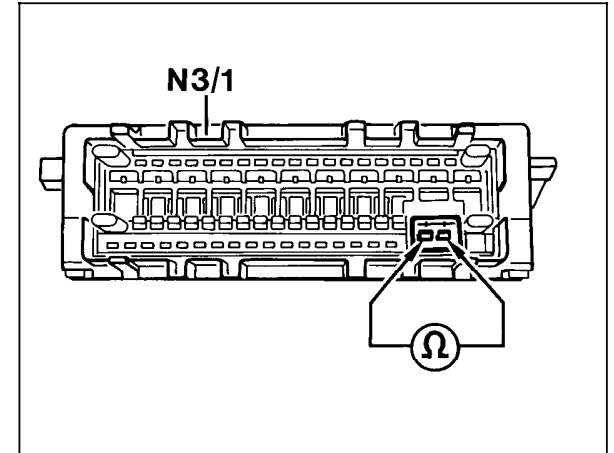
W15 Ground (electronics output ground -right footwell)
 W15/1 Ground (electronics - right footwell)
 W29/2 Ground (right A-pillar)



P07-6249-13

Figure 2

N59x Diagnostic module connector



P07-5159-13A

Figure 3

N3/1 LH-SFI control module

Electrical Test Program - Test

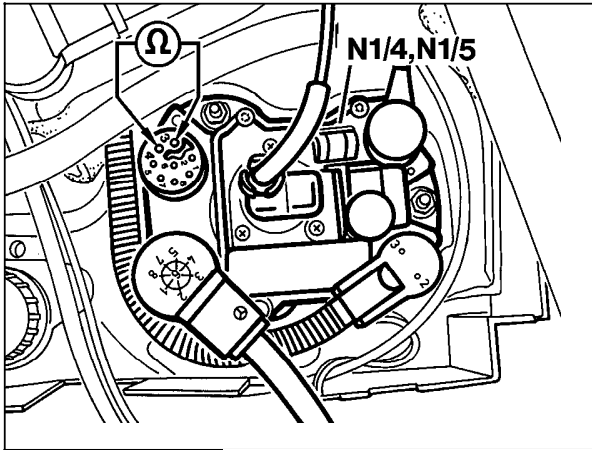


Figure 4

P15-5058-13

N1/3 Ignition control module