Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	**Instrument cluster (A1)** Voltage supply Circuit 30	A1 3 (1A.3) — V — 11 (1A.11) 12 (1A.12) — V — 11 (1A.11)	Ignition: **OFF** Remove instrument cluster (A1) Disconnect connector 1 (30-pole)	11 – 14 V	Fuse 17 in fuse and relay box (F3), Wiring, ⇒ 1.1
1.1	Voltage supply Circuit 15	A1 3 (1A.3) — V — 9 (1A.9)	Ignition: **ON**	11 – 14 V	Fuse 24 in fuse and relay box (F3), Wiring, A1
2.0	**HHT interface** Connection between A1 and data link connector (X11/4)	15 X11/4 — Ω — 11 (1B.11)	Ignition: **OFF** Remove A1, Disconnect connector 1 (30-pole)	5 Ω	Wiring.

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0	**ECL and windshield washer level:** ECL level switch (S41), windshield washer level switch (S42) and wiring	A1 6 (1B.6) — Ω — 4 (1B.4)	Ignition: **OFF** Coolant level and windshield washer fluid level: OK Remove A1 Disconnect connector 1 (30 pole).	233 - 297 Ω	Wiring ⇒ 3.1 Values O.K.: A1
3.1	ECL switch (S41)	S41 1 — Ω — 2	Ignition: **OFF** Remove expansion tank Disconnect connector at S41. Coolant level OK	102 - 120 Ω	S41 Values O.K.: ⇒ 3.2
3.2	Windshield washer fluid level switch (S42)	S42 1 — Ω — 2	Ignition: **OFF** Disconnect connector at S42. Washer fluid level OK	145 - 185 Ω	S42

Electrical Test Program – Test

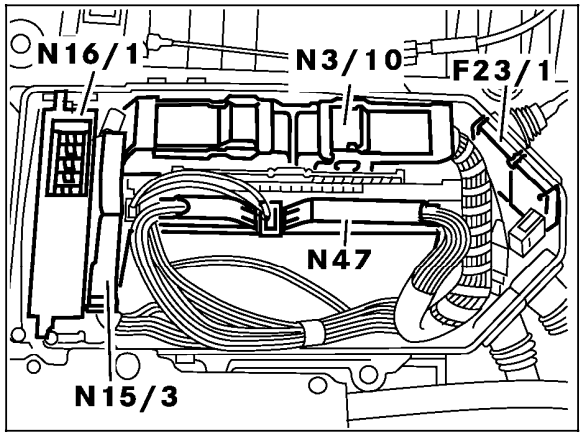

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Figure 1 6/8 Cylinder models

F23/1 Control module box
N3/10 Engine control module (ME - SFI)
N15/3 Transmission control module
N16/1 Base module (BM)
N47 Traction system control module

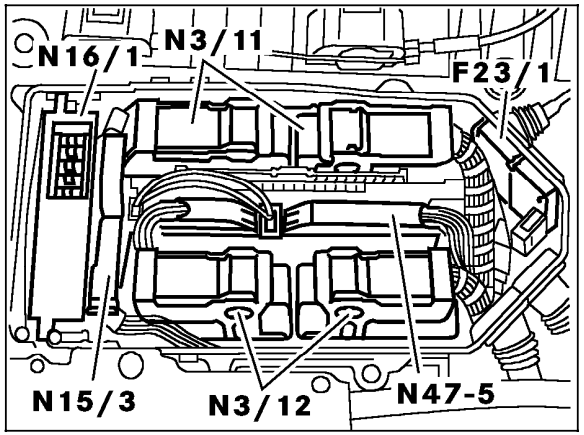

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Figure 2 12 Cylinder models

F23/1 Control module box
N3/11 Left engine control module (ME-SFI)
N3/12 Right engine control module (ME-SFI)
N15/3 Transmission control module
N16/1 Base module (BM)
N47/5 ESP/SPS control module