Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	022 023	**ATA control module (N26)** Voltage supply Circuit 30 Circuit 15	N26 4 — 2 4 — 18	 Ignition: **ON**	 11 – 14 V 11 – 14 V	Wiring, ⇒ 1.1
2.0		**Left front door lock switch (S86/1, up to 01/94)** or **Activation via RCL**	N26 11 — 2 N26 19 — 2	Ignition: **OFF** Hold key in unlock position or depress and hold IR transmitter button (green lamp flashes). Hold key in lock position or depress and hold IR transmitter button (red lamp flashes).	< 1 V 11 – 14 V 11 – 14 V	Wiring, PSE control module (A37) (see D.M., Body and Accessories, Vol. 1, section 3.1 23), RCL (see D.M., Body and Accessories, Vol. 1, section 4.2 23).

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0		**Right front door lock switch (S87/1, up to 01/94)** or **Activation via RCL**	N26 11 — V — 2 N26 19 — V — 2	Ignition: **OFF** Hold key in unlock position or depress and hold IR transmitter button (green lamp flashes). Hold key in lock position or depress and hold IR transmitter button (red lamp flashes).	< 1 V 11 – 14 V 11 – 14 V	Wiring, PSE control module (A37) (see D.M., Body and Accessories, Vol. 1, section 3.1 23), RCL (see D.M., Body and Accessories, Vol. 1, section 4.2 23).
4.0		**Trunk lid lock switch (S88/2, up to 01/94)** or **Activation via RCL**	N26 11 — V — 2 N26 19 — V — 2	Ignition: **OFF** Hold key in lock position or depress and hold IR transmitter button (red lamp flashes). Hold key in unlock position or depress and hold IR transmitter button (green lamp flashes).	< 1 V 11 – 14 V 11 – 14 V	Wiring, PSE control module (A37) (see D.M., Body and Accessories, Vol. 1, section 3.1 23), RCL (see D.M., Body and Accessories, Vol. 1, section 4.2 23).

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	005	**Except Coupé** **Left/right rear door switch (S17/5, S17/6) alarm circuit**	N26 25 — 2	Close left/right rear door. Open left/right rear door and then close .	< 1 V 11 – 14 V	Wiring, S17/5, S17/6, PSE control module (A37) (see D.M., Body and Accessories, Vol. 1, section 3.1 23).
6.0	006	**Left/right front door switch (S17/3, S17/4) alarm circuit**	N26 24 — 2	Close left/right front door. Open left/right front door and then close .	< 1 V 11 – 14 V	Wiring, S17/3, S17/4, PSE control module (A37) (see D.M., Body and Accessories, Vol. 1, section 3.1 23).
7.0	002	**Rotary tumbler/trunk lid microswitch (S88/1) alarm circuit**	N26 26 — 2	Close rotary lock switch by hand. Open rotary lock switch by hand.	< 1 V 11 – 14 V	Wiring, PSE control module (A37) (see D.M., Body and Accessories, Vol. 1, section 3.1 23).
8.0	003	**Engine hood switch (S62) alarm circuit**	N26 27 — 2	Engine hood closed. Engine hood open.	< 1 V 11 – 14 V	Wiring, S62, N26.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0	014	**Stop lamp switch alarm circuit**	N26 4 — (⊖ V ⊕) — 23	Ignition: **ON** Apply service brakes.	< 1 V 11 – 14 V	Wiring, Stop lamp switch (S9).
10.0	010	**ATA contact connector (radio) alarm circuit (running change during M.Y. 1996)**	N26 17 — (⊖ V ⊕) — 2	Radio installed and connector connected. Radio removed.	11 – 14 V < 1 V	Wiring, ATA contact connector (X42/13), Radio ground.
11.0	012	**Ignition alarm circuit**	N26 4 — (⊖ V ⊕) — 18	Ignition: **OFF** Ignition: **ON**	< 1 V 11 – 14 V	Wiring, Ignition/starter switch (S2/1).
12.0	020	**Left front door actuator (S47)**	N26 32 — (⊖ V ⊕) — 2	Disconnect RCL control module (N54) connector (vehicles up to 01/94 only). Unlock vehicle at driver‘s door or via RCL. Lock vehicle from driver‘s door or via RCL.	 < 1 V 11 – 14 V	Wiring, S47

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
13.0		**Alarm horn (H3)** [1]	N26 2 — 13	Connect horn to circuit 30.	Horn sounds.	Wiring, H3.
14.0		**Diagnosis output**	N26 22 — 2	Ignition: **OFF** Disconnect N26 connector Connect adapter for impluse counter to X11/4. 1 — 23 Disconnect N26 connector	11 – 14 V	Wiring, N26.
15.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
16.0		**Headlamp alarm circuit** [1]	N26 2 — 12		Headlamps illuminate (low beams).	Wiring, Headlamp unit.

[1] Can be activated using HHT.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
17.0		**Left taillamp unit, backup lamp (E3e3)**	N26 2 — 14		Left backup lamp illuminates.	Wiring, E3e3
18.0		**Right taillamp unit, backup lamp (E4e3)**	N26 2 — 3		Right backup lamp illuminates.	Wiring, E4e3
19.0	015 016 017 018	*Not applicable for U.S.A. vehicles*	– – –	–	–	–
20.0		**ATA control module (N26)** Voltage supply Circuit 30 output	N26 15 — 1	Connect to N26	11 – 14 V	⇒ 1.0, N26
21.0	008 016 017	*Not applicable for U.S.A. vehicles*	– – –	–	–	–

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
22.0	008 016 017 018	*Not applicable for U.S.A. vehicles*	– – –	–	–	–
23.0	015 016 017 018	*Not applicable for U.S.A. vehicles*	– – –	–	–	–
24.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
25.0	021	**Starter lock-out relay module (K38)** [1) 2)] Resistance	N26 5 — Ω — 18	Ignition: **OFF** Disconnect N26 connector.	50 – 60 Ω	Wiring, K38, ⇒ 25.1
25.1		Circuit 15	N26 4 — V — 18	Ignition: **ON**	11 – 14 V	Wiring, Circuit 15, ⇒ 25.2
25.2		Circuit 15	K38 ⊥ — V — 4	Ignition: **ON**	11 – 14 V	Wiring, ⇒ 25.3

1) Can be activated using HHT.

2) As of 01/94, starter lock-out function controlled by central locking system (PSE control module).

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
25.3		Control signal (circuit 31) from N26	K38 5 — (⊖ V ⊕) — 4	Ignition: **ON**	11 – 14 V	Wiring, N26, ⇒ 25.4
25.4		K38 circuit 50	K38 3 — ( ) — 1	Disconnect K38. Using a 2.5mm wire (12 AWG) , bridge K38, ignition switch to position “3” (start)	Engine starts.	Wiring, K38, Ignition/starter switch (S2/1), Starter (M1).
26.0		**ATA status indicator (E33) in Interior CL switch (S85)**	N26 8 — ( ) — 2		ATA status indicator (E33) illuminates.	Wiring, ⇒ 2.0, 3.0, 4.0, 12.0, S85, N26

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
27.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
28.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
29.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
30.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
31.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–
32.0		*Not applicable for U.S.A. vehicles*	– – –	–	–	–