

13.7 Anti-Theft Alarm (ATA)
Models 202 as of 6/97, 208, 210 as of 3/97

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Central locking (CL) and Anti-Theft Alarm (ATA) can be used via the IR transmitter key as well as the mechanical key.

Activation of the PSE (ATA activation, deactivation)

(Radio and infrared signal will be simultaneously transmitted)

Radio signal:

The radio frequency signal transmitted from the transmitter key is received by the roof control panel control module (N70) and transferred as a CAN message to the electroic ignition lock control module (N73). The electroic ignition lock control module (N73) checks the coded signal and if valid, sends a CAN message the PSE control module (A37).

Infrared signal:

The infrared signal transmitted from the RCL transmitter key is received by the receiver modules (A26/1, A26/2) and is sent to the door control module (N69/1 or N69/2). The door control module (N69/1 or N69/2) converts the signal to a CAN message which is transmitted to the electronic ignition lock control module (N73). The electronic ignition lock control module (N73) checks the coded signal and if valid, sends a CAN message to the PSE control module (A37).

The ATA is activated when locked with the central locking switch.

- ATA functions have been integrated into the PSE control module (A37).
- Delayed headlamp shut-off (illumination time after ignition shut-off) is permanently programmed for a time period of 30 seconds.

Diagnosis – Technical Changes


Version start dates/Changes/Innovations (Model 202)

World wide Manuf. code	Model	LHS ¹⁾ RHS ¹⁾	Manuf. plant	As of chassis number	Up to chassis number	As of production date	Up to production date	Type and reason for change	Reference/Remarks
WDB	202						12/93	Starter lock-out relay (K38) located on interior A-pillar bottom, activation is via ATA.	
WDB	202					01/94		Starter lock-out relay (K38) located on left side of dashboard crossmember. Activation on vehicles w/o IRCL via PSE. On vehicles with IRCL via IRCL control module.	
WDB	202					01/94		On vehicles with IRCL (code 800) the locknut switch is not installed, except (USA)	
WDB	202					03/94		Deactivation of the interior motion sensor no longer via button on left infrared transmitter and receiver (interior motion system) (A26/4), but instead together with the anti-tow protection system via switch on the center console.	
WDB	202							Radio contact deleted with introduction of new radio generation.	

1) LHS: Left hand steering
RHS: Right hand steering

Diagnosis – Technical Changes

Version start dates/Changes/Innovations (Model 202 continued)

World wide Manuf. code	Model	LHS ¹⁾ RHS ¹⁾	Manuf. plant	As of chassis number	Up to chassis number	As of production date	Up to production date	Type and reason for change	Reference/Remarks
WDB	202					09/96		New interior protection system, the IR interior motion ATA control module (N26/3) was deleted as a result.	
WDB	202					06/97		ATA was combined into the PSE control module (A37).	
WDB	202					06/98		Alarm siren with auxiliary battery (H3/1) replaces the Alarm horn (H3). Optional ATA includes anti-tow protection system.	
WDB	202					06/98		New infrared interior motion sensor (One sensor replaces previously used two sensors)	 For sedan only.

1) LHS: Left hand steering
RHS: Right hand steering

Diagnosis – Technical Changes

Version start dates/Changes/Innovations (Model 208)

World wide Manuf. code	Model	LHS ¹⁾ RHS ¹⁾	Manuf. plant	As of chassis number	Up to chassis number	As of production date	Up to production date	Type and reason for change	Reference/Remarks
WDB	208							No interior motion sensor for 208 Cabrio.	
WDB	208					06/98		Alarm siren with auxiliary battery (H3/1) replaces the alarm horn (H3). Optional ATA includes anti-tow protection system.	

1) LHS: Left hand steering
RHS: Right hand steering

Diagnosis – Technical Changes

Version start dates/Changes/Innovations (Model 210)

World wide Manuf. code	Model	LHS ¹⁾ RHS ¹⁾	Manuf. plant	As of chassis number	Up to chassis number	As of production date	Up to production date	Type and reason for change	Reference/Remarks
WDB	210					03/97		ATA has been combined into the PSE control module (A37) (complete network), DAS 3	With 4-MATIC as of production start-up.
WDB	210					06/98		Alarm siren with auxiliary battery (H3/1) replaces the Alarm horn (H3). Optional ATA includes anti-tow protection system.	
WDB	210					06/98		New infrared interior motion sensor (One sensor replaces previously used two sensors)	i For sedan only.
WDB	210					06/99		New infrared interior motion sensor (One sensor replaces previously used two sensors)	i For wagen only.

1) LHS: Left hand steering
RHS: Right hand steering

Diagnosis – Function Test

Preparation for Test:

1. Review following documents in WIS: GF80.50-P-0001B (ATA up to 05/98) and GF80.50-P-0001F (ATA as of 06/98). Also review ETM docs: PE80.00-P-1100D and PE80.00-P-1100A
2. Review section 0, 10, 20, 22, 23, 31
3. After performing the Function Test, erase any stored DTC's (see section 0).

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 ATA status indicator LED	<ul style="list-style-type: none"> • Lock vehicle. • Wait approx. 15 secs. 	ATA status indicator LED blinks	23 ⇒ 8.0
⇒ 2.0 Trigger ATA via left front door.	<ul style="list-style-type: none"> • Open driver's window. • Lock vehicle. • After approximately 15 seconds open door from inside. 	Alarm horn sounds (turn off alarm).	D.M, B&A, Vol. 1, 3.4 PSE, 23
⇒ 3.0 Trigger ATA via right front door.	<ul style="list-style-type: none"> • Open passenger window. • Lock vehicle. • After approximately 15 seconds open door from inside. 	Alarm horn sounds (turn off alarm).	D.M, B&A, Vol. 1, 3.4 PSE, 23
⇒ 4.0 Trigger ATA via left or right rear door. (Models 202, 210 only)	<ul style="list-style-type: none"> • Open left/right rear door window. • Lock vehicle. • Wait approximately 15 seconds. • Open left or right rear door from inside. 	Left rear door Right rear door Alarm horn sounds (turn off alarm).	D.M, B&A, Vol. 1, 3.4 PSE, 23

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 5.0 Trigger ATA via engine hood.	<ul style="list-style-type: none"> • Open driver's window. • Lock vehicle. • Wait approximately 15 seconds. • Release engine hood through open driver's window. • Open engine hood. 	Alarm horn sounds (turn off alarm).	23 ⇒ 1.0
⇒ 6.0 Trigger ATA via trunk lid.	<ul style="list-style-type: none"> • Open trunk lid. • Lock vehicle. • Turn off trunk lamp (rotary tumbler switch open). • Wait approximately 15 seconds. • Turn on trunk lamp (rotary tumbler switch closed). 	Alarm horn sounds (turn off alarm).	D.M, B&A, Vol. 1, 3.4 PSE, 23
⇒ 7.0 <i>Not applicable for U.S.A. version vehicles</i>			
⇒ 8.0 <i>Not applicable for U.S.A. version vehicles</i>			
⇒ 9.0 <i>Not applicable for U.S.A. version vehicles</i>			
⇒ 10.0 <i>Not applicable for U.S.A. version vehicles</i>			
⇒ 11.0 Anti-tow protection system	<ul style="list-style-type: none"> • Lock vehicle. • Wait approximately 15 seconds. • Lift vehicle at lift point using vehicle jack, until wheel is off of ground. 	Alarm horn sounds (turn off alarm).	23 ⇒ 7.0 23 ⇒ 9.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 12.0 Deactivate Anti-tow protection system	<ul style="list-style-type: none"> Ignition: OFF Press ATA status/towing protection switch (S85/3). Lock vehicle. Lift vehicle at lift point using vehicle jack, until wheel is off of ground. Repeat step 11.0 	<p>ATA status indicator illuminates for 2 seconds.</p> <p>Alarm does not sound.</p> <p>Alarm horn sounds (turn off alarm).</p>	23 ⇒ 7
⇒ 13.0 Alarm siren test (as of 06/98)	<ul style="list-style-type: none"> HHT activation: Alarm siren with auxiliary battery (H3/1), "Siren test" 	Alarm siren sounds briefly.	Country version of the siren not properly coded, see 31, Alarm siren: 23 ⇒ 5.0
⇒ 14.0 Trigger Panic alarm on electronic key (USA only)	<ul style="list-style-type: none"> Press Panic alarm button on electronic key 	Alarm horn sounds (turn off alarm).	Batteries in electronic key, Readout DTC memory, 12
⇒ 15.0 Headlamp activation (fog lamps) (USA only)	<ul style="list-style-type: none"> Ignition: ON Turn on exterior lamps Ignition: OFF Turn exterior lamps: OFF Close all doors on vehicle 	Fog lamps illuminate.	14, 23 ⇒ 15.0
⇒ 16.0 <i>Not applicable for U.S.A. version vehicles</i>			
⇒ 17.0 <i>Not applicable for U.S.A. version vehicles</i>			

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Preparation for Test:

1. Review following documents in WIS: GF80.50-P-0001B (ATA up to 05/98) and GF80.50-P-0001F (ATA as of 06/98). Also review ETM docs: PE80.00-P-1100D and PE80.00-P-1100A
2. Review section: C/1, 10, 20, 22, 23, 31
3. Check fuses, OK,
4. Battery voltage 11 – 14 V,
5. Voltage supply for control module and CAN-wiring ok,
6. Unlock vehicle via RCL transmitter key, deactivate ATA,
7. Ignition: **ON**
8. Connect Hand-Held Tester (HHT) according to connection diagram shown in section 0, review 22/3 as well for ATA/socket box connections.



The DTC memory can only be readout and erased via the HHT.



While performing the DTC readout, it is possible that DTCs may appear that are not relevant to the system being checked, meaning that all stored DTCs in that particular control module are being displayed.

> Ω resistance too great

< Ω resistance too low

Γ1+ short circuit to positive (POS)

Γ1- short circuit to ground (GND)

-// - open circuit

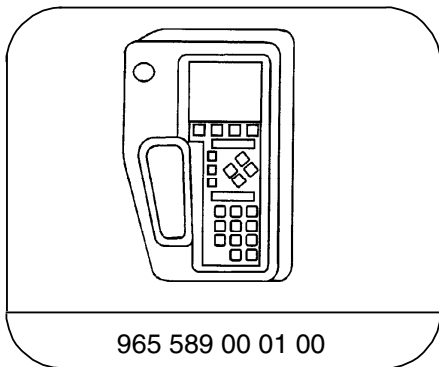


Readout and record DTC's.

Recorded faults found in fault table.

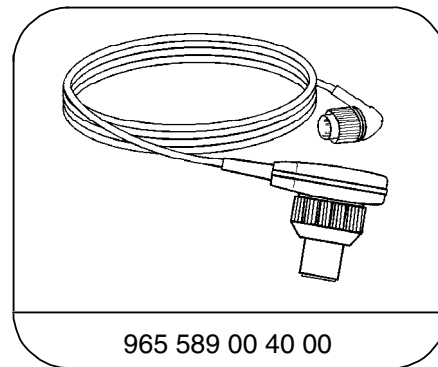
Interrupt the voltage for PSE control module for approx. 3 secs., to erase safety memory.

Special Tools



965 589 00 01 00


Hand-Held-Tester



965 589 00 40 00


Test cable

Diagnosis – Diagnostic Trouble Code (DTC) Memory

DTC 	Possible cause	Test step/Remedy ¹⁾
B1220 000	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1220 005	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1221 000	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1221 005	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1276	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1277	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1278	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1279	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1435	Short circuit in ATA tow sensor (B33)	23 ⇒ 9.0
B1436	CL safety time exceeded, Pneumatic demand too high	Pneumatic lines, See DM, B&A, Vol. 2, Test Section 4.10
B1438	CL safety time, Multi-contour Seat Pneumatic demand too high	Pneumatic lines, Multi-contour Seat
B1439	Safety time, Manifold vacuum assist (MVA) demand exceeded Pneumatic demand too high	Pneumatic lines, Multi-contour Seat
B1440	Safety time, Remote trunk lid release (RTR) exceeded Pneumatic demand too high	Pneumatic lines, Multi-contour Seat

1) Observe Preparation for Test, see 22.

Diagnosis – Diagnostic Trouble Code (DTC) Memory


DTC 	Possible cause	Test step/Remedy ¹⁾
B1497	Not applicable for U.S. A. vehicles, continue to next test step.	–
B1707	Not applicable for U.S. A. vehicles, continue to next test step.	–
B1708	Not applicable for U.S. A. vehicles, continue to next test step.	–
B1709	Alarm siren with auxiliary battery (H3/1) not installed, not version coded, defective, (as of 06/98)	Version coding, see 31, Alarm siren, 23 ⇒ 5.0
B1710	Alarm (ATA) triggered via trunk lamp switch (S17/8)	3.4 PSE 23
B1711	Alarm (ATA) triggered via engine hood switch (S62)	23 ⇒ 1.0
B1712	Alarm (ATA) triggered via left front door switch (S17/3)	3.4 PSE 23
B1713	Alarm (ATA) triggered via right front door switch (S17/4)	3.4 PSE 23
B1714	Alarm (ATA) triggered via left rear front door switch (S17/5)	3.4 PSE 23
B1715	Alarm (ATA) triggered via right rear front door switch (S17/6)	3.4 PSE 23
B1716	Reserve alarm input	Currently not used.
B1719	Alarm (ATA) triggered via telephone	Currently not used.
B1720	Alarm (ATA) triggered via FAX equipment	Currently not used.
B1721	Alarm (ATA) triggered via ignition system	Wiring.
B1722	Alarm (ATA) triggered via stop lamp switch (S9/1)	23 ⇒ 2.0

¹⁾ Observe Preparation for Test, see 22.

13.7 Anti-Theft Alarm (ATA)

Models 202 as of 6/97, 208, 210 as of 3/97

Diagnosis – Diagnostic Trouble Code (DTC) Memory

DTC 	Possible cause	Test step/Remedy ¹⁾
B1723	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1724	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1725	Alarm (ATA) triggered via Anti-tow sensor (B33)	23 ⇒ 7.0, 23 ⇒ 9.0
B1726	Circuit 30 interrupted while in armed state	DM, B&A, Vol. 2, Test Section 7.1, 23
B1727	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1728	<i>Not applicable for U.S. A. vehicles, continue to next test step.</i>	–
B1729	PSE (A37)	Replace PSE (A37)

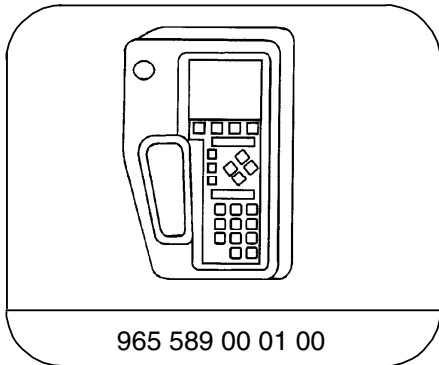
¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Actual Values/Activations

Preparation for Test:

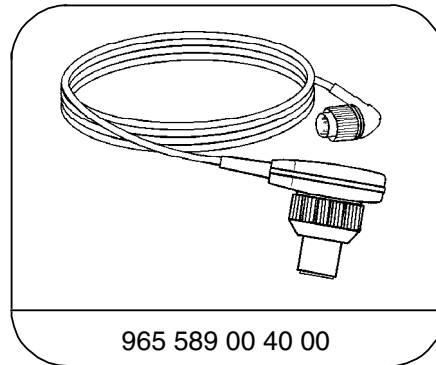
1. Fuses ok,
2. Battery voltage 11 – 14 V,
3. Voltage supply to the control modules and CAN data line is OK.
4. Ignition: **ON**
5. Connect the Hand-Held Tester (HHT) to X11/4, according to diagram, see section 0.

Special Tools



965 589 00 01 00

Hand-Held-Tester



965 589 00 40 00

Test cable

Diagnosis – Actual Values/Activations

The following actual values and activations are possible via the Hand-Held Tester (HHT).

Actual values (functional condition)

- Door contact switches
- Alarm contacts
- Anti-tow protection
- Engine hood switch (S62)
- Stop lamp switch (S9/1)



Menu driven via HHT

Four displays are possible:

✓, F, ON, OFF.

Contrary to DTC memory, actual values are updated continuously, even during diagnosis. This allows intermittent faults to be recognized by moving/shaking components, connectors or wiring harnesses.

Activation

The following components can be activated:

- Switch illumination
- Alarm Horn (H3) or Alarm siren with auxiliary battery (H3/1)
- Headlamps/taillamps (only USA)
- Blinker system



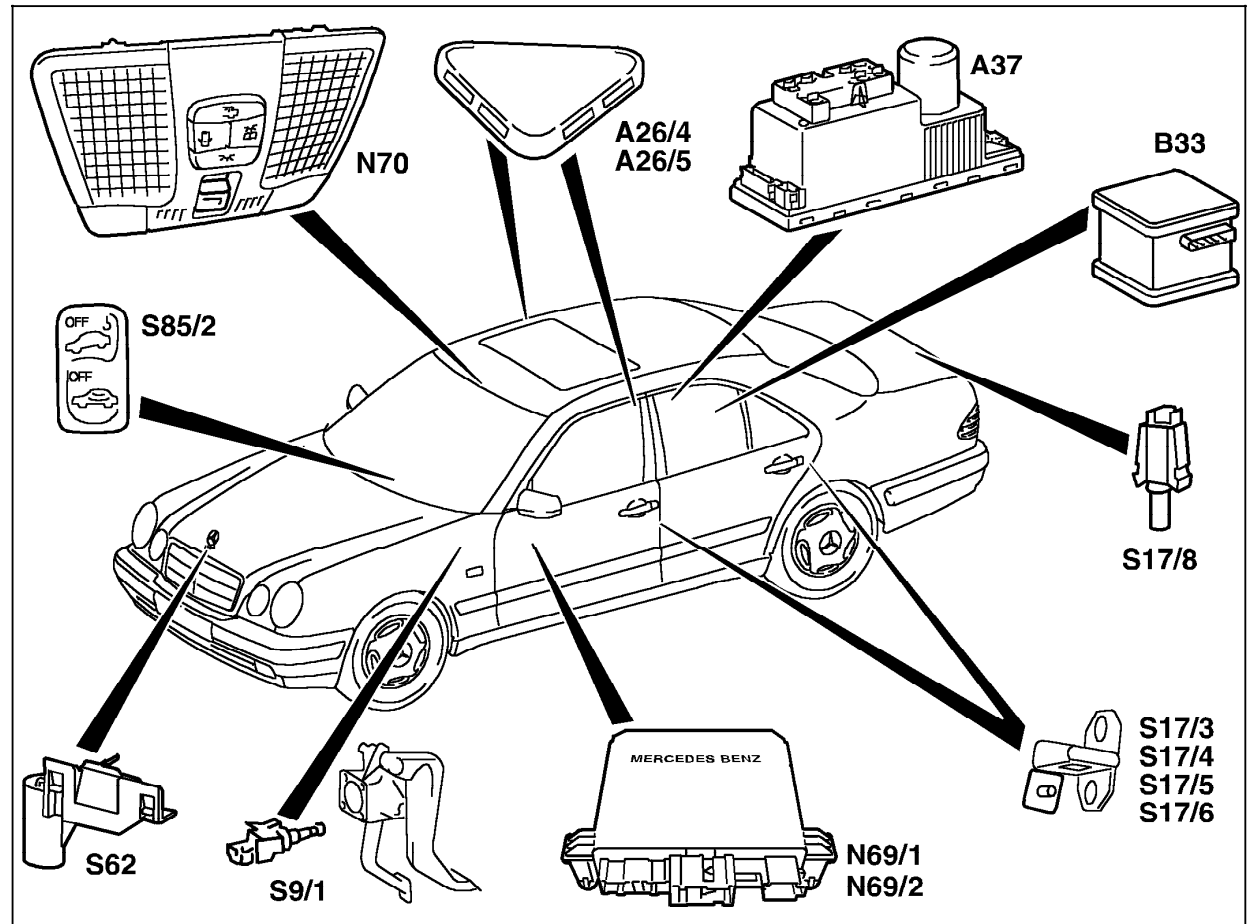
Menu driven via HHT.

Electrical Test Program – Component Locations (ATA)

Models 202 as of 7/97, 208, 210 as of 3/97:
Up to 06/98
(Shown on model 210 with interior motion sensor [IRS] [(not USA)])

Figure 1

- A26/4 Left infrared transmitter and receiver (interior protection system) (not USA)
- A26/5 Right infrared transmitter and receiver (interior protection system) (not USA)
- A37 PSE control module, combined functions
- B33 ATA tow sensor
- N69/1 Front driver-side door control module
- N69/2 Front passenger-side door control module
- N70 Roof control panel control module
- S9/1 Stop lamp switch (4-pole)
- S17/3 Left front door switch
- S17/4 Right front door switch
- S17/5 Left rear door switch
- S17/6 Right rear door switch
- S17/8 Trunk lamp switch
- S62 Engine hood switch (ATA)
- S85/2 ATA status/towing/interior protection switch



P82.50-0610-06

Electrical Test Program – Component Locations (ATA)

Models 202, 208, 210 as of 06/98
 Model 210 shown

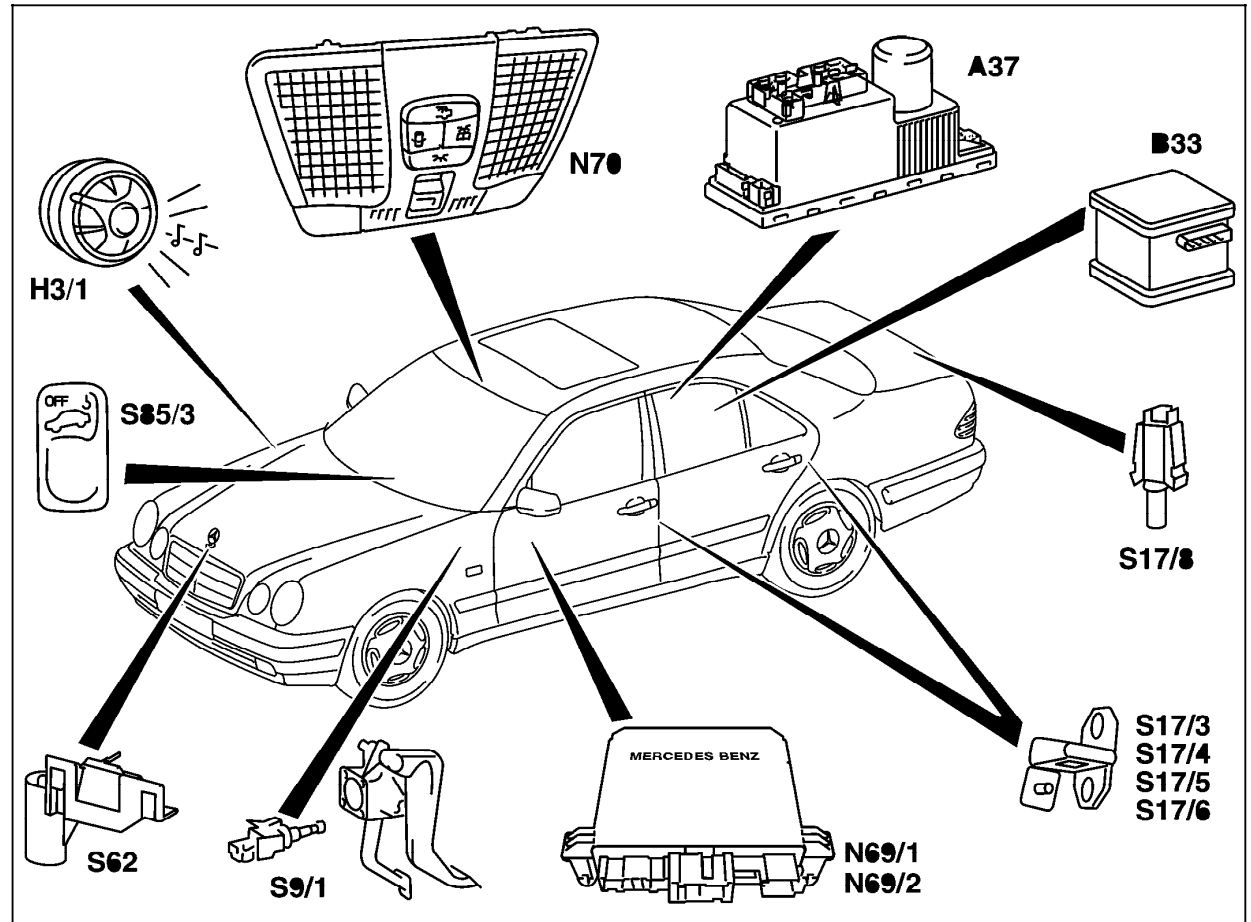


Figure 2

- A37 PSE control module, combined functions
- B33 ATA tow sensor
- H3/1 Not applicable for U.S.A. version vehicles
- N69/1 Front driver-side door control module
- N69/2 Front passenger-side door control module
- N70 Roof control panel control module
- S9/1 Stop lamp switch (4-pole)
- S17/3 Left front door switch
- S17/4 Right front door switch
- S17/5 Left rear door switch
- S17/6 Right rear door switch
- S17/8 Trunk lamp switch
- S62 Engine hood switch (ATA)
- S85/3 ATA status/towing protection switch

P80.50-2001-06

Electrical Test Program - Preparation for Test

Preparation for Test:

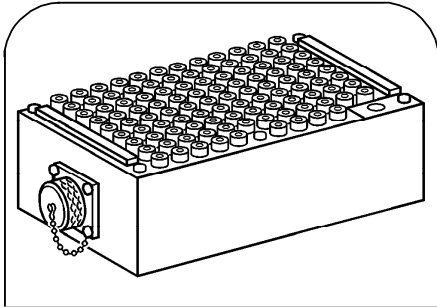
1. Review following documents in WIS: GF80.50-P-0001B (ATA up to 05/98) and GF80.50-P-0001F (ATA as of 06/98). Also review ETM docs: PE80.00-P-1100D and PE80.00-P-1100A
2. Review section 0, 10, 20, 22, 31,
3. Fuses ok,
4. Battery voltage 11 – 14 V,
5. CL systems ok,
6. RCL, RFL ok,
7. Provide access to PSE control module (A37),
8. Voltage supply for control module and CAN-wiring ok,
9. Review 22/3 as well for ATA/socket box connections.

Electrical Wiring Diagrams:

Refer to Electric Troubleshooting Manual, Models 202, 208, 210, Volume 2, group 82

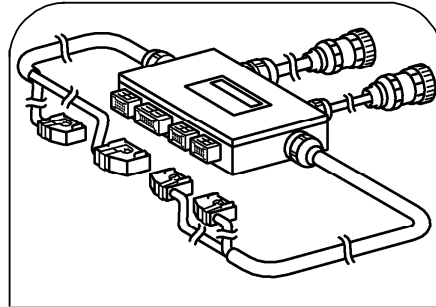
Electrical Test Program - Preparation for Test

Special Tools



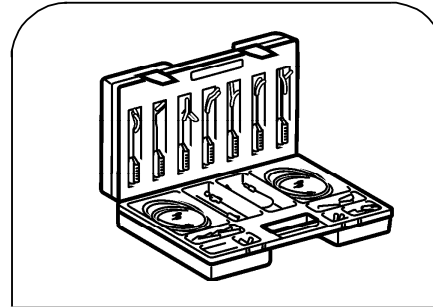
129 589 00 21 00

126-pin socket box



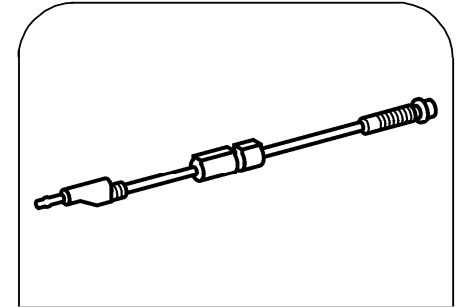
202 589 16 63 00

Test cable (82-pin)



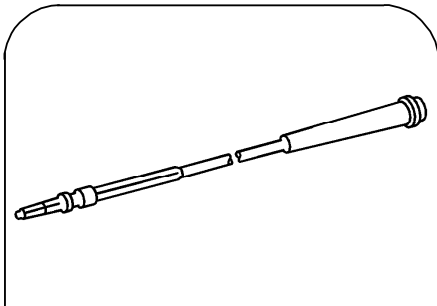
201 589 00 99 00

Electrical connecting set



124 589 37 63 00

Fused cable



140 589 22 63 00

Adapter cable

Conventional tools, test equipment

Description	Brand, model, etc.
Multimeter ¹⁾	Fluke models 23, 83, 85, 87

¹⁾ Available through the MBUSA Standard Equipment Program.

Electrical Test Program - Preparation for Test

Connection Diagram
 Socket Box - ATA system
 Model 210 shown

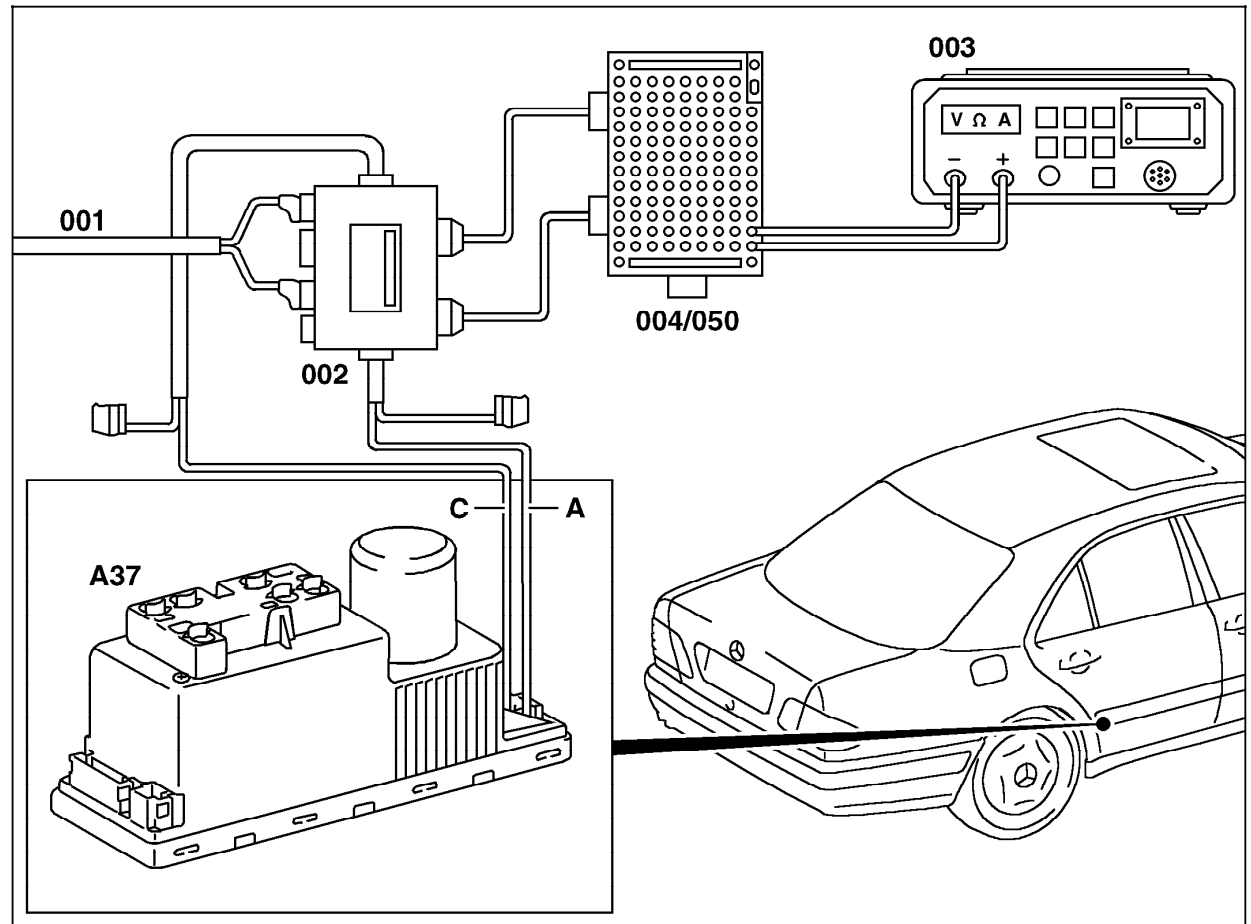


Figure 1






- A37 PSE control module
- 001 PSE control module connector
- 002 Test cable
- 003 Multimeter
- 004/050 Socket box (35-pole)
- A ATA test cable
- C Central locking test cable

P82.50-0617-06

13.7 Anti-Theft Alarm (ATA)

Models 202 as of 6/97, 208, 210 as of 3/97



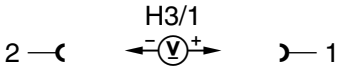
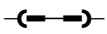

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	B1711 (PSE)	Engine hood (S62) Alarm circuit	A37  5 —(←(V)→)— 4 (2)	Engine hood: Closed Open	< 1 V 11 – 14 V	Wiring, S62
2.0	B1722 (PSE)	Stop lamp switch (S9/1) Alarm circuit	A37  3 —(←(V)→)— 12 (2)	Ignition: ON Apply service brake:	< 1 V 11 – 14 V	Wiring, S9/1
3.0		Alarm Horn (H3)	A37  3 —(—(→)→)— 4 (2)	Insert bridge,  Use bridges with 124 589 37 63 00 safety cables only	Alarm sounds.	Wiring, H3
4.0		Not applicable for U.S.A. vehicles, continue to next step.				
4.1		Not applicable for U.S.A. vehicles, continue to next step.				



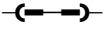


13.7 Anti-Theft Alarm (ATA)

Models 202 as of 6/97, 208, 210 as of 3/97

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0		Alarm siren with auxiliary battery (H3/1) Function As of 06/98		HHT activation: Alarm siren test	Alarm siren sounds briefly (0.2 seconds).	⇒ 5.1
5.1		Voltage supply		Disconnect connector at H3/1	11 – 14 V	Wiring.
5.2		Activate alarm		Activate ATA. Wait 15 seconds. Disconnect connector at H3/1 To deactivate alarm, reconnect connector at H3/1 and deactivate ATA.	Acoustical and Optical alarm.	H3/1 Wiring, A37
6.0		Headlamp circuit Alarm circuit		Insert bridge.  Use bridges with 124 589 37 63 00 safety cables only.	Headlamps and taillamps illuminate continuously.	Wiring, Illumination control module (N7-1) A37
7.0		Not applicable for U.S.A. vehicles, continue to next step.				




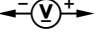

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
8.0		Not applicable for U.S.A. vehicles, continue to next step.				
9.0	B1725	ATA tow sensor (B33) Voltage supply	5 — () — 2 B33	Activate ATA.	11 – 14 V	Wiring
9.1		Simulate alarm activation	1 — () — 2 B33 	Disconnect connector at B33 HHT activation: Anti-tow protection. Insert bridge.  Use bridges with 124 589 37 63 00 safety cables only.	Anti-tow alarm sounds.	Wiring, A37 If values are OK: B33
10.0	B1221 B1723	Not applicable for U.S.A. vehicles, continue to next step.				
10.1	B1221 B1723	Not applicable for U.S.A. vehicles, continue to next step.				
11.0	B1220 B1724	Not applicable for U.S.A. vehicles, continue to next step.				

13.7 Anti-Theft Alarm (ATA)

Models 202 as of 6/97, 208, 210 as of 3/97

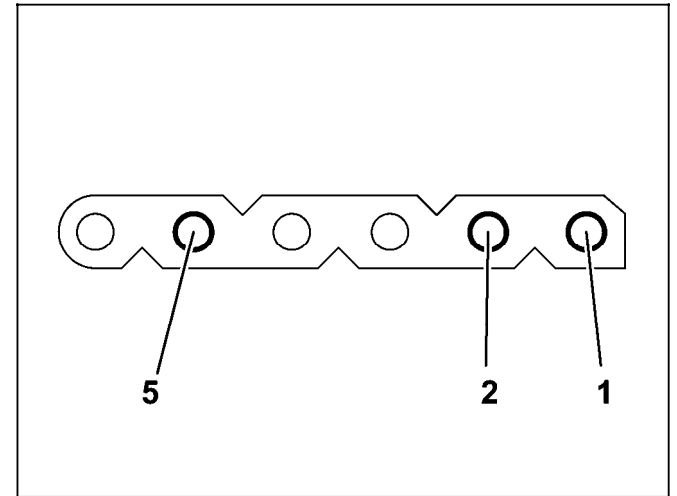
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
11.1		Not applicable for U.S.A. vehicles, continue to next step.				
12.0		Not applicable for U.S.A. vehicles, continue to next step.				
12.1		Not applicable for U.S.A. vehicles, continue to next step.				
13.0		Not applicable for U.S.A. vehicles, continue to next step.				
14.0		Not applicable for U.S.A. vehicles, continue to next step.				
15.0		Foglamp circuit (only )	A37 4 —  ←  →  — 3 (4) (2)	Turn on exterior lamps.	11 – 14 V	Wiring, If OK: 23 ⇒ 6.0

Electrical Test Program – Test – Connector Layouts

Connector Layout - ATA tow sensor (B33)

- 1 Data
- 2 Voltage supply +
- 5 Ground

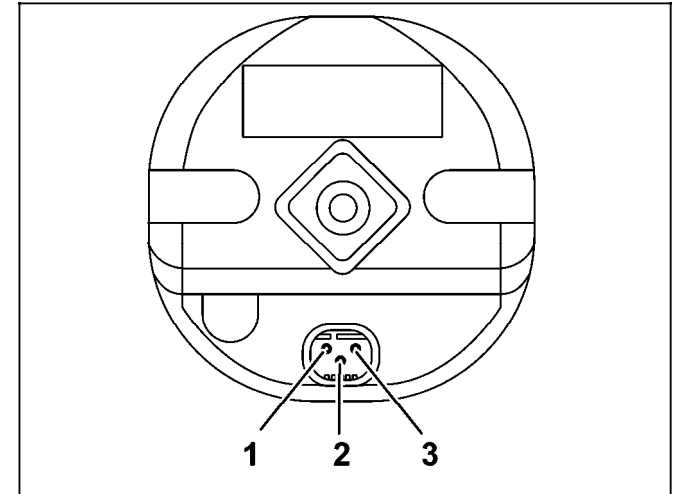


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Electrical Test Program – Test – Connector Layouts

Connector Layout - Alarm siren with auxiliary battery (H3/1)

- 1 Voltage supply +
- 2 Ground
- 3 Data

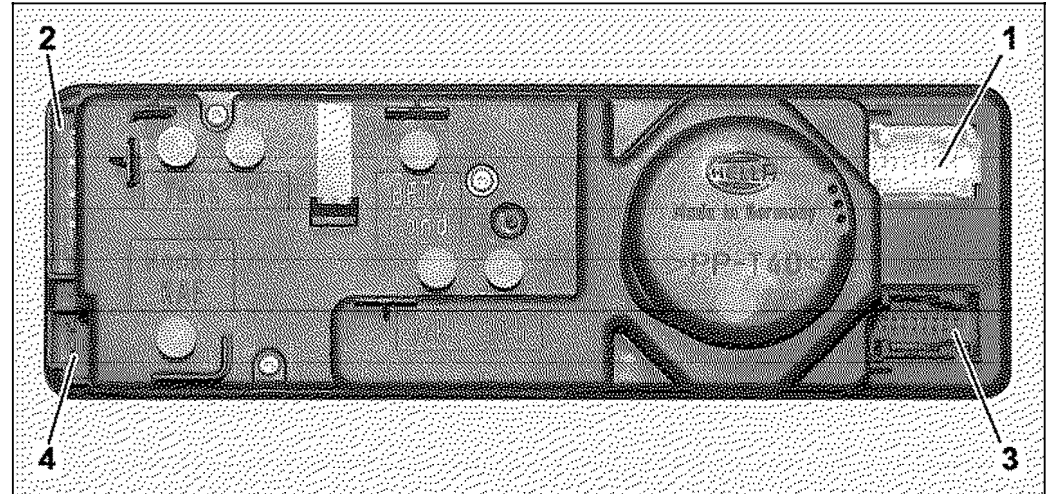


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Electrical Test Program – Test – Connector Layouts

Connector Layout - Pneumatic control module (A37)

- 1 Connector 1 (PSE control lines)
- 1 Connector 2 (PSE voltage supply)
- 3 Connector 3 (ATA control lines)
- 4 Connector 4 (ATA consumer connections)



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Version Coding

Version coding must be undertaken when a new PSE control module (A37) is being replaced. Only after the coding procedure, the ATA functions of the PSE control module (A37) activated. Coding is menu driven via HHT.

Coding:

Entry into the version coding is via:

Body & accessories - ATA - Version coding



Correct version coding is a requirement for the proper indication of the Actual and Activation Menues as well as Fault Codes in the HHT.

Version coding

Version	Selection	Remarks
Country Version ATA	(USA) Headlamp illumination time (CH) up to 05/97 Rest of the world (B) (self activation)	
Anti-tow function	Yes No	
Alarm siren (up to 05/98 only: (B) (GB) (NL))	Yes No	Via a further sub-menu, the country version of the alarm siren is set.
Interior motion protection	Ultrasonic (as of 06/98) Ultrasonic (Model 208 cabriolet) Infrared NO	 Ultrasonic for Model 208 cabriolet is currently not available.