

## 82-0980 Function anti-theft alarm (ATA)

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### A. 1984 Version

#### a) General

The ATA system is a contact-controlled system with an acoustic alarm signal by means of an additional signal horn.

If activated, the alarm signal sounds intermittently for approx. 30 seconds. Switching on and off of the system can be combined with locking the driver's door and is only possible with the master key (identified with red clip).

The door handle with lock cylinder and micro-switch is one unit and can only be exchanged completely.

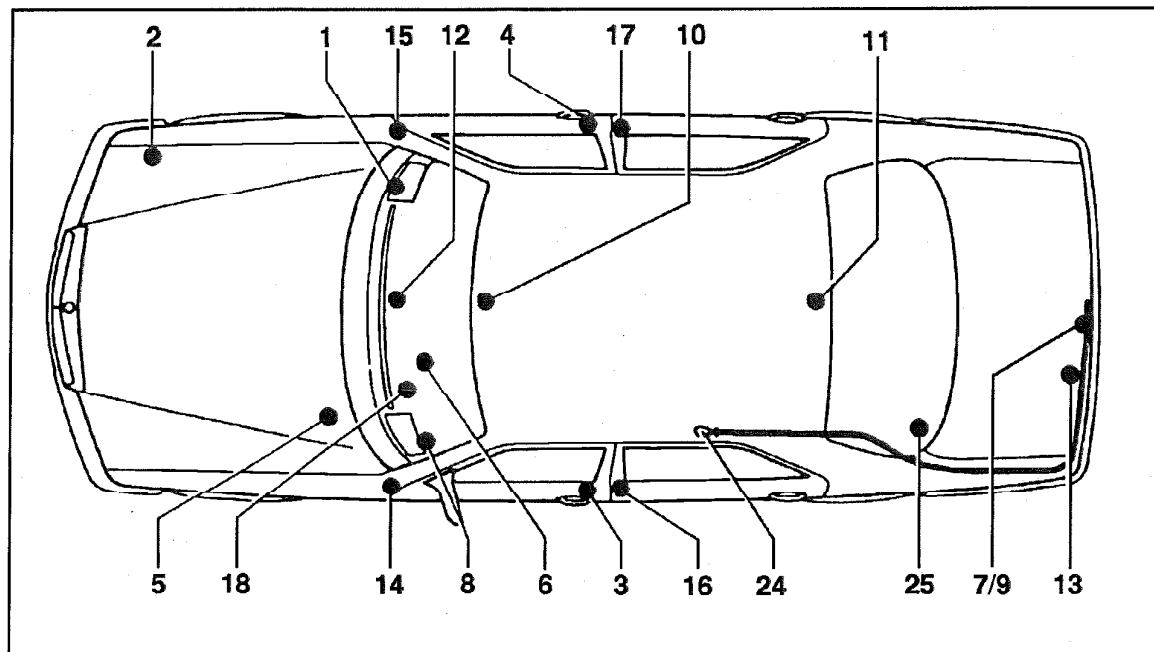
The following vehicle components are included in the safety system:

- All vehicle doors
- Engine hood and trunk lid
- Instrument cluster
- Brake (actuation)
- Ignition (actuation, shorting)
- Level change of vehicle (towing protection)

#### Note

An ignition interruption is not included due to the general operational safety.

## 82-0980 Function anti-theft alarm (ATA)



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### Layout

1	Control module	10	Dome lamp, front
2	Alarm signal horn	11	Dome lamp rear (only sedan)
3	Microswitch, driver's door	12	Switch, dome lamp rear
4	Microswitch, front passenger door	13	Trunk lamp
5	Switch, engine hood	14	Door contact switch, front left
6	Switch, instrument cluster	15	Door contact switch, front right
7	Trunk lock	16	Door contact switch, rear left (only sedan)
8	8-conductor connector (cable harnesses I and II)	17	Door contact switch, rear right (only sedan)
		18	Brake light switch
		24	Emergency cable
		25	Towing protection

## 82-0980 Function anti-theft alarm (ATA)

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### Vehicle keys

The vehicles with ATA are supplied with the following keys:

**Master key**, 2 off – with rectangular handle and red clip. This key can be used for all locks on the vehicle while the ATA system is switched “on” or “off” via the driver’s and front passenger door locks.

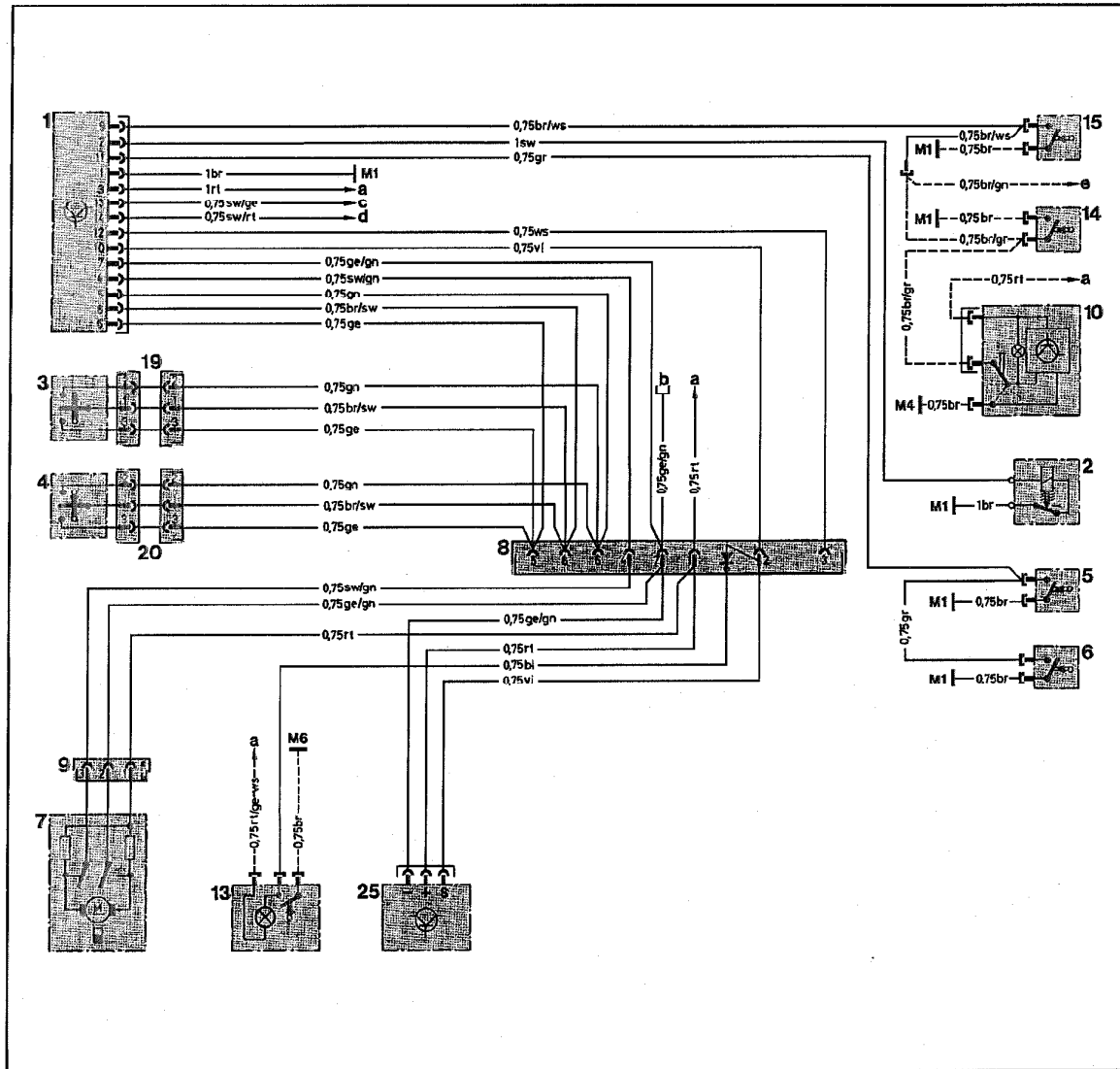
**Master key**, 1 off – as spare key, fused in transparent plastic foil.

**Auxiliary key**, 1 off – with rounded handle. This key can operate all locks on the vehicle except for the glove box and trunk lock. It must be observed that the ATA system is not switched “on” or “off” with this key.

### Note

The spare keys should be ordered similar to vehicles without ATA system by means of code or locking number.

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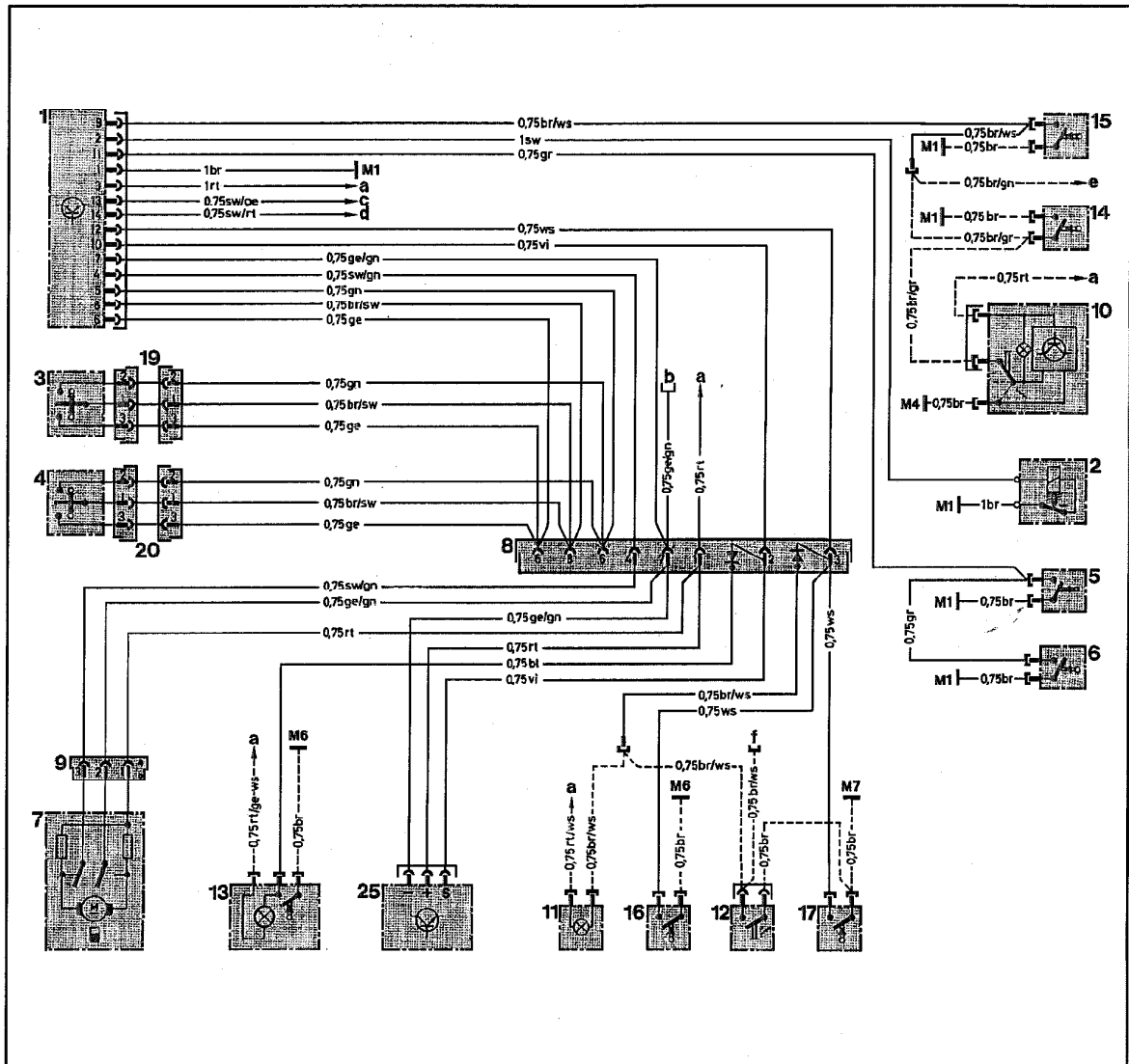


P82-0478-57

### Wiring diagram coupé

- |     |   |    |   |
|-----|---|----|---|
| --- | Main cable harness                                  | 19 | Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)         |
| —   | Auxiliary cable harness ATA system                  | 20 | Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II) |
| 1   | Control module                                      | 25 | Towing protection   |
| 2   | Alarm signal horn                                   | a  | Fuse no. 15 (terminal 30)   |
| 3   | Microswitch, driver's door (1-2 off, 1-3 on)        | b  | Free connection, permanent negative current with system switched on (max. 1 A)                                |
| 4   | Microswitch, front passenger door (1-2 off, 1-3 on) | c  | Fuoco no. 12 (terminal 15)  |
| 5   | Switch, engine hood                                 | d  | Terminal brake light switch (brake light)   |
| 6   | Switch, instrument cluster                          | e  | Warning buzzer contact  |
| 7   | Trunk lock  | M1 | Main ground (behind instrument cluster)   |
| 8   | 8-conductor connector (cable harnesses I and II)    | M4 | Ground dome lamp front  |
| 10  | Dome lamp, front with switch                        | M6 | Ground trunk, wheel arch left   |
| 13  | Trunk lamp  |    |   |
| 14  | Door contact switch, front left                     |    |   |
| 15  | Door contact switch, front right                    |    |   |

# 82-0980 Function anti-theft alarm (ATA)



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## Wiring diagram sedan

---	Main cable harness	19	Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)
—	Auxiliary cable harness ATA system	20	Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II)
1	Control module	25	Towing protection
2	Alarm signal horn	a	Fuse no. 15 (terminal 30)
3	Microswitch, driver's door (1-2 off, 1-3 on)	b	Free connection, permanent negative current with system switched on (max. 1 A)
4	Microswitch, front passenger door (1-2 off, 1-3 on)	c	Fuse no. 12 (terminal 15)
5	Switch, engine hood	d	Terminal brake light switch (brake light)
6	Switch, instrument cluster	e	Warning buzzer contact
7	Trunk lock	f	Vacant connection (previously door contact switch right)
8	8-conductor connector (cable harnesses I and II)	M1	Main ground (behind instrument cluster)
10	Dome lamp, front with switch	M4	Ground dome lamp front
11	Dome lamp, rear	M6	Ground trunk, wheel arch left
12	Switch, dome lamp rear	M7	Ground trunk, wheel arch right
13	Trunk lamp		
14	Door contact switch, front left		
15	Door contact switch, front right		
16	Door contact switch, rear left		
17	Door contact switch, rear right		

### c) Switching system on and off

#### Switching on

When the driver's or front passenger doors are locked, the microswitches (3 or 4) are actuated at the same time. The "negative current" available on the microswitch via the brown/black wire (connection no. 1) is connected with the yellow wire (connection no. 3) and connected as impulse to the control module (1) connection no. 6. The system is ready for operation.

Negative current is simultaneously connected to the trunk lock from the control module (1) connection no. 7 (yellow/green wire) via the 8-conductor connector. The pushbutton of the trunk lid will be locked.

#### Alarm is triggered off:

When opening the door, the engine hood or the trunk lid, when removing the instrument cluster, when switching on or bridging the ignition lock and when actuating the foot brake. If the level of the protected vehicle is changed, the alarm is also raised.

An auxiliary unit designed as towing protection makes evaluation according to the following criteria:

- Alarm release with level change of longitudinal axis by 2.2°
- Alarm release with level change of transverse axis by 1.2°

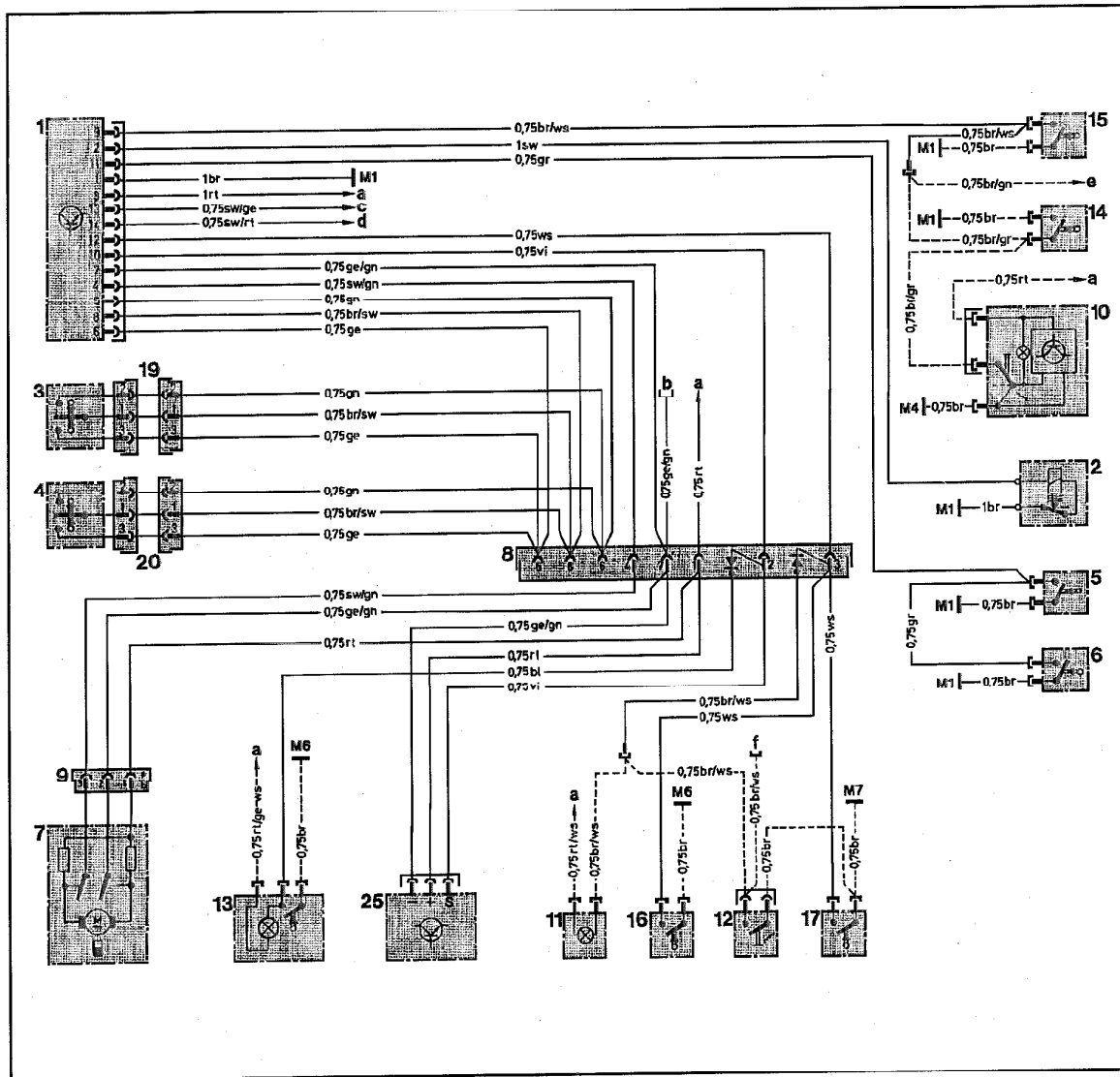
The control module activates the alarm signal intermittently for approx. 30 seconds. The alarm of approx. 30 seconds takes place even if the triggering factor (e.g. the door) is immediately closed. The acoustic alarm signal stops approx. 30 seconds after the final triggering.

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The system has a switching-on delay of 10 seconds. If individual doors remain open for more than 10 seconds after switching on the system in order to remove items, no alarm is triggered off after expiration of the delay period. If the door is closed, this area is switched on again, i.e. alarm will be raised if reopened.

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### Wiring diagram sedan

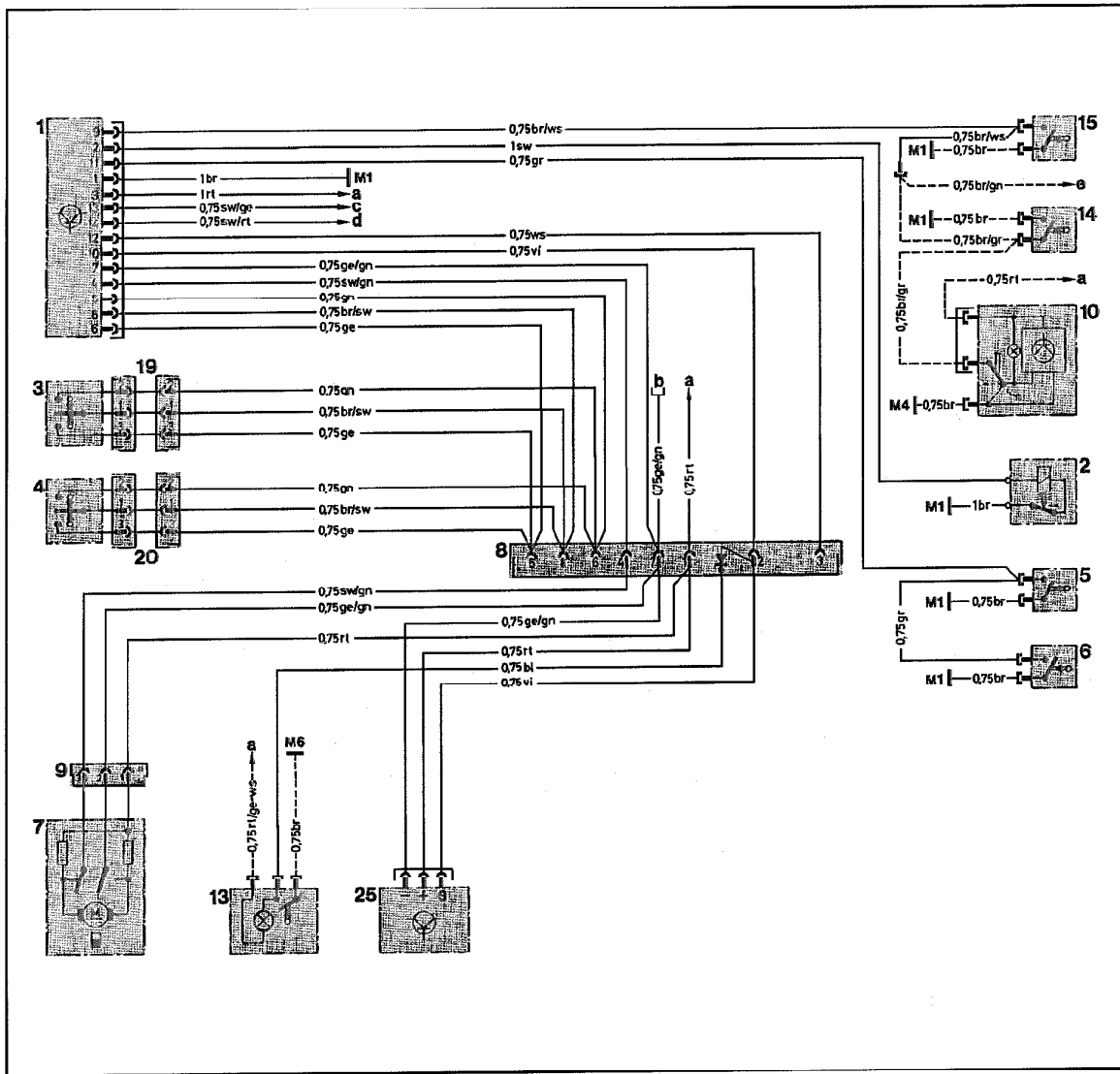
---	Main cable harness	19	Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)
—	Auxiliary cable harness ATA system	20	Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II)
1	Control module	25	Towing protection
2	Alarm signal horn	a	Fuse no. 15 (terminal 30)
3	Microswitch, driver's door (1-2 off, 1-3 on)	b	Free connection, permanent negative current with system switched on (max. 1 A)
4	Microswitch, front passenger door (1-2 off, 1-3 on)	c	Fuse no. 12 (terminal 15)
5	Switch, engine hood	d	Terminal brake light switch (brake light)
6	Switch, instrument cluster	e	Warning buzzer contact
7	Trunk lock	f	Vacant connection (previously door contact switch right)
8	8-conductor connector (cable harnesses I and II)	M1	Main ground (behind instrument cluster)
10	Dome lamp, front with switch	M4	Ground dome lamp front
11	Dome lamp, rear	M6	Ground trunk, wheel arch left
12	Switch, dome lamp rear	M7	Ground trunk, wheel arch right
13	Trunk lamp		
14	Door contact switch, front left		
15	Door contact switch, front right		
16	Door contact switch, rear left		
17	Door contact switch, rear right		

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### Switching off

When unlocking the driver's or front passenger doors, the microswitches (3 or 4) are actuated simultaneously. The "negative current" available on the microswitch via the brown/black wire (connection no. 1) is connected with the green wire (connection no. 2) and connected to the control module (1) connection no. 5. The system is switched off.



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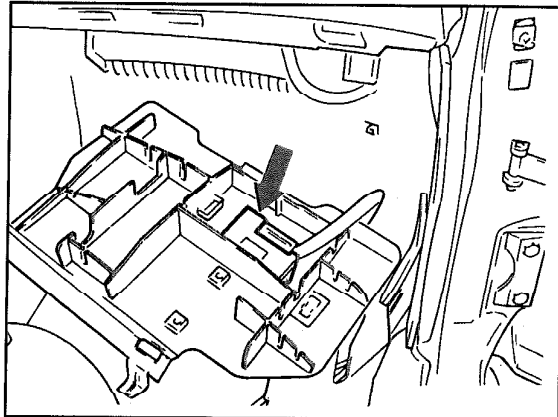
Wiring diagram coupe

- |     |   |    |   |
|-----|---|----|---|
| --- | Main cable harness                                  | 19 | Intermediate cable harness with 3-conductor round and flat coupling (microswitch driver's door and cable harness I)         |
| —   | Auxiliary cable harness ATA system                  | 20 | Intermediate cable harness with 3-conductor round and flat coupling (microswitch front passenger door and cable harness II) |
| 1   | Control module                                      | 25 | Towing protection   |
| 2   | Alarm signal horn                                   | a  | Fuse no. 15 (terminal 30)   |
| 3   | Microswitch, driver's door (1-2 off, 1-3 on)        | b  | Free connection, permanent negative current with system switched on (max. 1 A)  |
| 4   | Microswitch, front passenger door (1-2 off, 1-3 on) | c  | Fuse no. 12 (terminal 15)   |
| 5   | Switch, engine hood                                 | d  | Terminal brake light switch (brake light)   |
| 6   | Switch, instrument cluster                          | e  | Warning buzzer contact  |
| 7   | Trunk lock  | M1 | Main ground (behind instrument cluster)   |
| 8   | 8-conductor connector (cable harnesses I and II)    | M4 | Ground dome lamp front  |
| 10  | Dome lamp, front with switch                        | MG | Ground trunk, wheel arch left   |
| 12  | Switch, dome lamp rear                              |    |   |
| 13  | Trunk lamp  |    |   |
| 14  | Door contact switch, front left                     |    |   |
| 15  | Door contact switch, front right                    |    |   |

## 82-0980 Function anti-theft alarm (ATA)

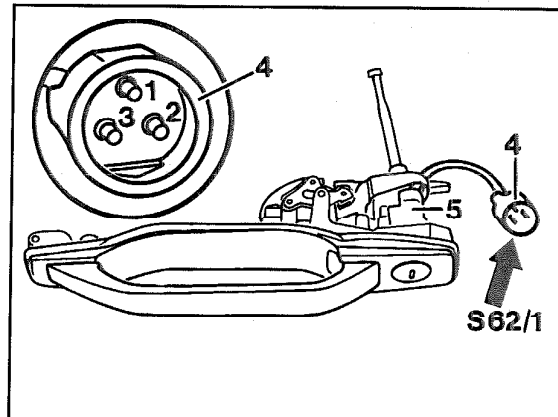
### d) Arrangement of components

Control module  
(in footwell right, below foot support)



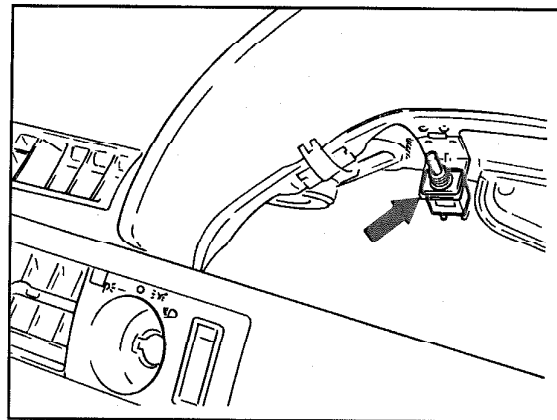
P82-2825-13

4 3-conductor connector  
5 Microswitch in door handle



P82-2549-13

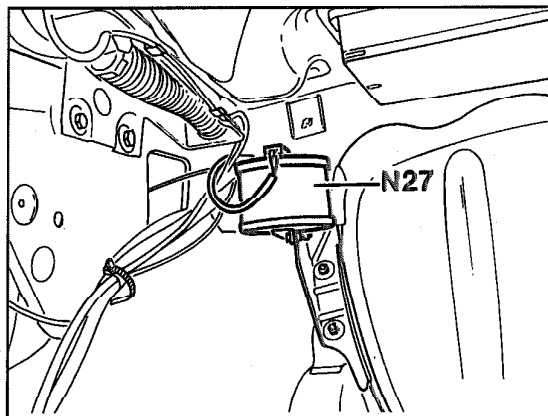
Switch in instrument cluster



P82-2826-13

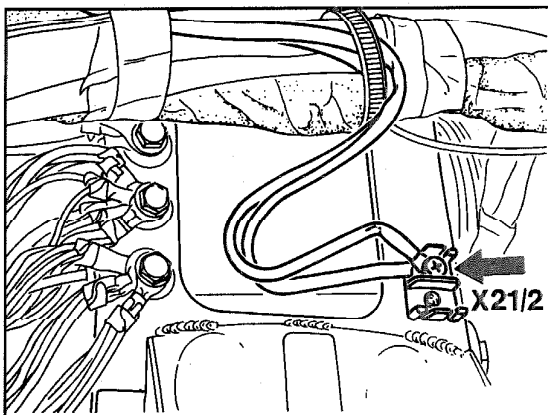
## 82-0980 Function anti-theft alarm (ATA)

Towing protection  
(in trunk behind tank bulkhead)



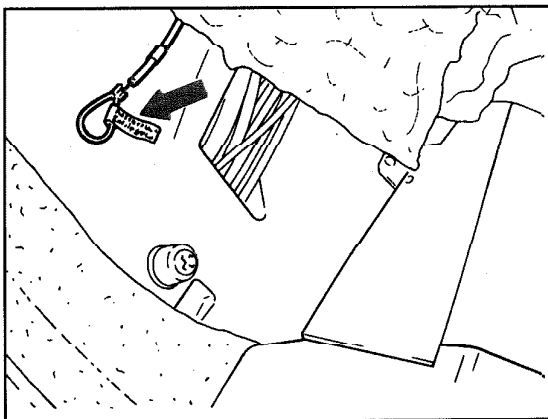
P82-2548-13

Terminal brake light wire  
(behind instrument cluster)



P82-2550-13

Emergency cable for trunk lid  
(left below rear seat)  
on vehicles without electric rear  
seat adjustment

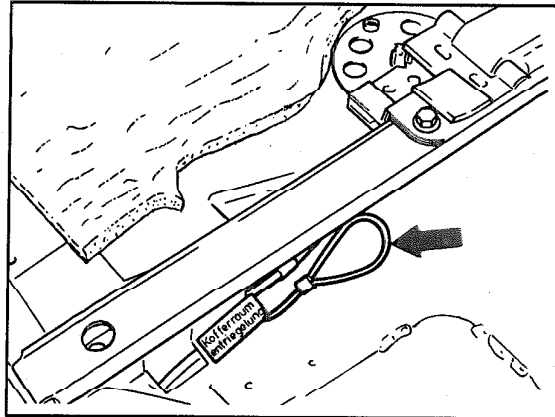


P82-2827-13

## 82-0980 Function anti-theft alarm (ATA)

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Emergency cable for trunk lid  
on vehicles with electric rear seat  
adjustment



P82-2828-13

## B. 1985 Version

### a) General

The ATA system is a contact-controlled system with an acoustic and an optical alarm signal.

After activation, the acoustic alarm sounds intermittently for approx. 60 seconds by means of an additional signal horn and, after a pause of approx. 30 seconds, again for 60 seconds.

The low-beam headlight and the tail light flashes simultaneously for approx. 150 seconds. If the parking (tail lamp) or parking lights are switched on when the alarm sounds, only the low-beam headlight flashes.

The system is combined with the locking system and can be switched on and off only with the master key (identified by red clip) on the front left and right doors as well as the trunk lid lock.

The door handle with locking cylinder and microswitch is a unit and can only be replaced as such.

The scope of protection includes the following vehicle components:

- All vehicle doors
- Engine hood and trunk lid
- Radio (removal)
- Brake (actuation)
- Ignition (actuation, shorting)
- One-sided level change of vehicle (towing protection)

## 82-0980 Function anti-theft alarm (ATA)

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### Note

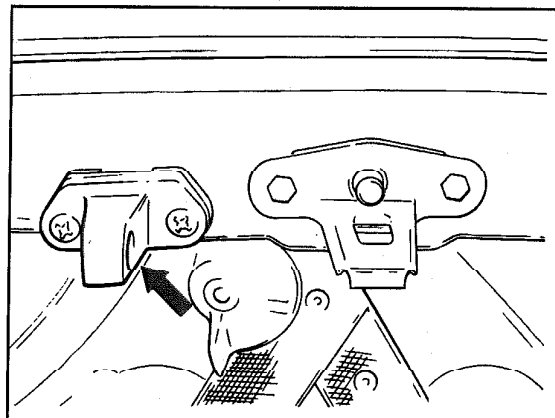
Ignition interruption is not included due to the general operational safety.

If the vehicle is transported on a car ferry or auto train, or parked in a lifting garage, the system must not be switched on as the alarm would be inadvertently triggered off. In this case the vehicle must only be locked with the auxiliary key.

### Special function: Additional mechanical trunk lid protection

With the additional protection integrated in the ATA system, the trunk lid is given a double protection by means of a separate particularly heavy lock.

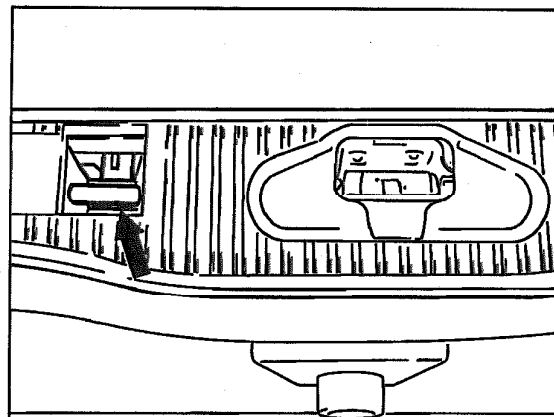
Closing pin (arrow)



P82-2787-13

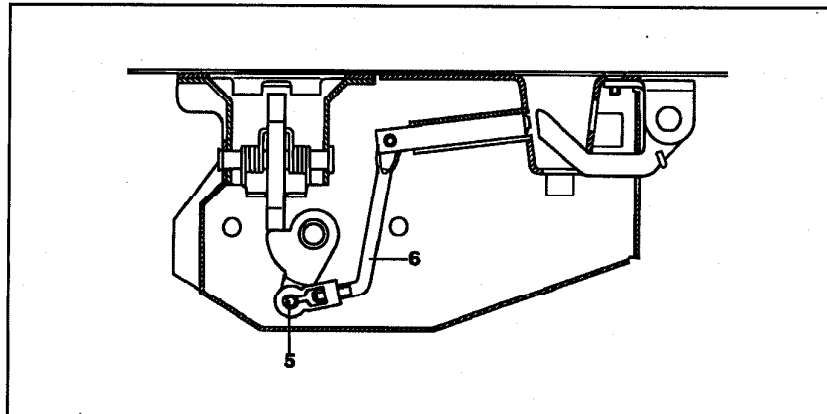
This additional protection can only be actuated on trunk lid lock with the lid closed. Turning the master key to the right into the horizontal position will lock, turning to the left will unlock.

Locking pin (arrow)



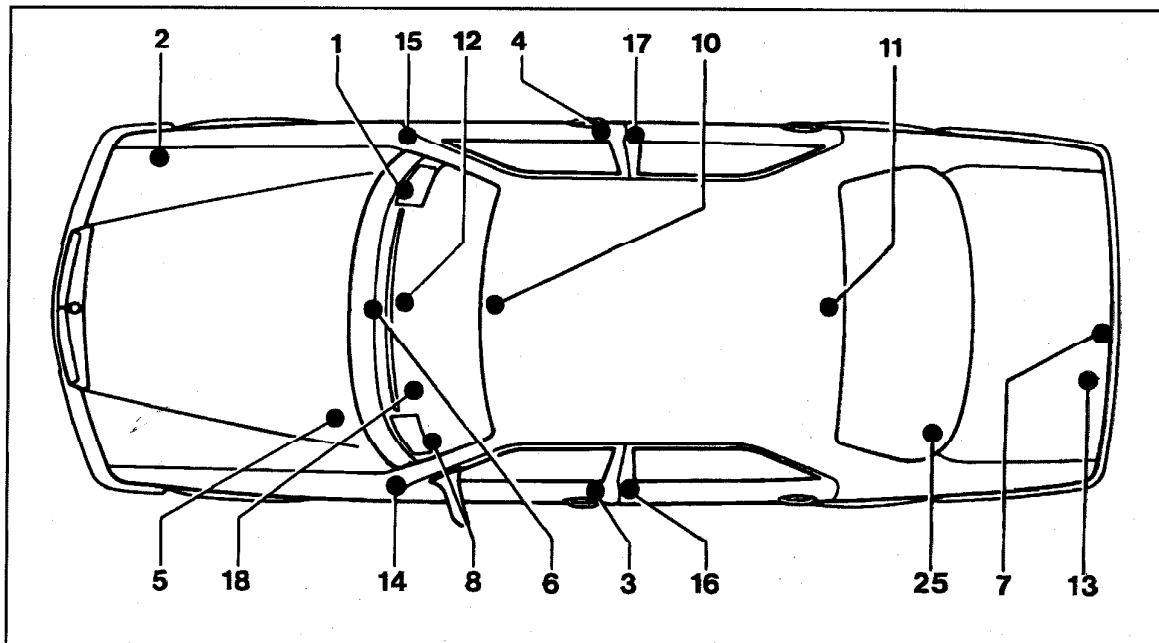
P82-2788-13

## 82-0980 Function anti-theft alarm (ATA)



Pushbutton lock with additional lock

P88-0026-33



P82-0485-55

### Layout

1	Control module	10	Dome lamp, front
2	Alarm signal horn	11	Dome lamp, rear (only sedan)
3	Microswitch, driver's door	12	Switch, dome lamp rear
4	Microswitch, front passenger door	13	Trunk lamp
5	Switch, engine hood	14	Door contact switch, front left
6	Switch, radio	15	Door contact switch, front right
7	Switching element of central locking system	16	Door contact switch, rear left (only sedan)
8	8-conductor connector (cable harnesses I and II)	17	Door contact switch, rear right (only sedan)
		18	Brake light switch
		25	Towing protection

## 82-0980 Function anti-theft alarm (ATA)

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### Vehicle keys

The vehicles with ATA are supplied with the following keys:

**Master key, 2 off** – with rectangular handle and red clip. This key can be used for all locks on the vehicle while the ATA system is switched “on” or “off” via the driver’s and front passenger door as well as the trunk locks.

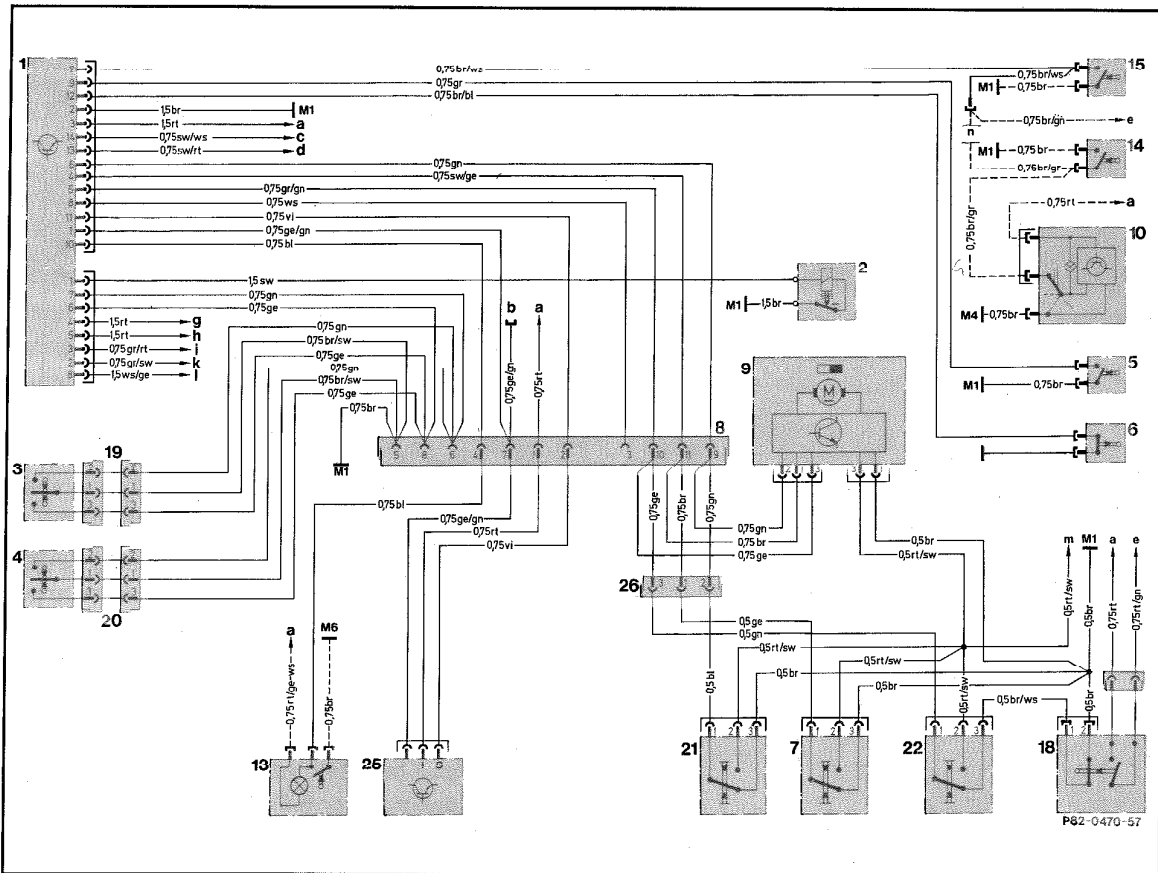
**Master key, 1 off** – as spare key, fused in transparent plastic foil.

**Auxiliary key, 1 off** – with rounded handle. This key can operate all locks on the vehicle except for the glove box and trunk lock. It must be observed that the ATA system is not switched “on” or “off” with this key.

### Note

The spare keys should be ordered similar to vehicles without ATA system by means of code or locking number.

b) Electrical wiring diagrams

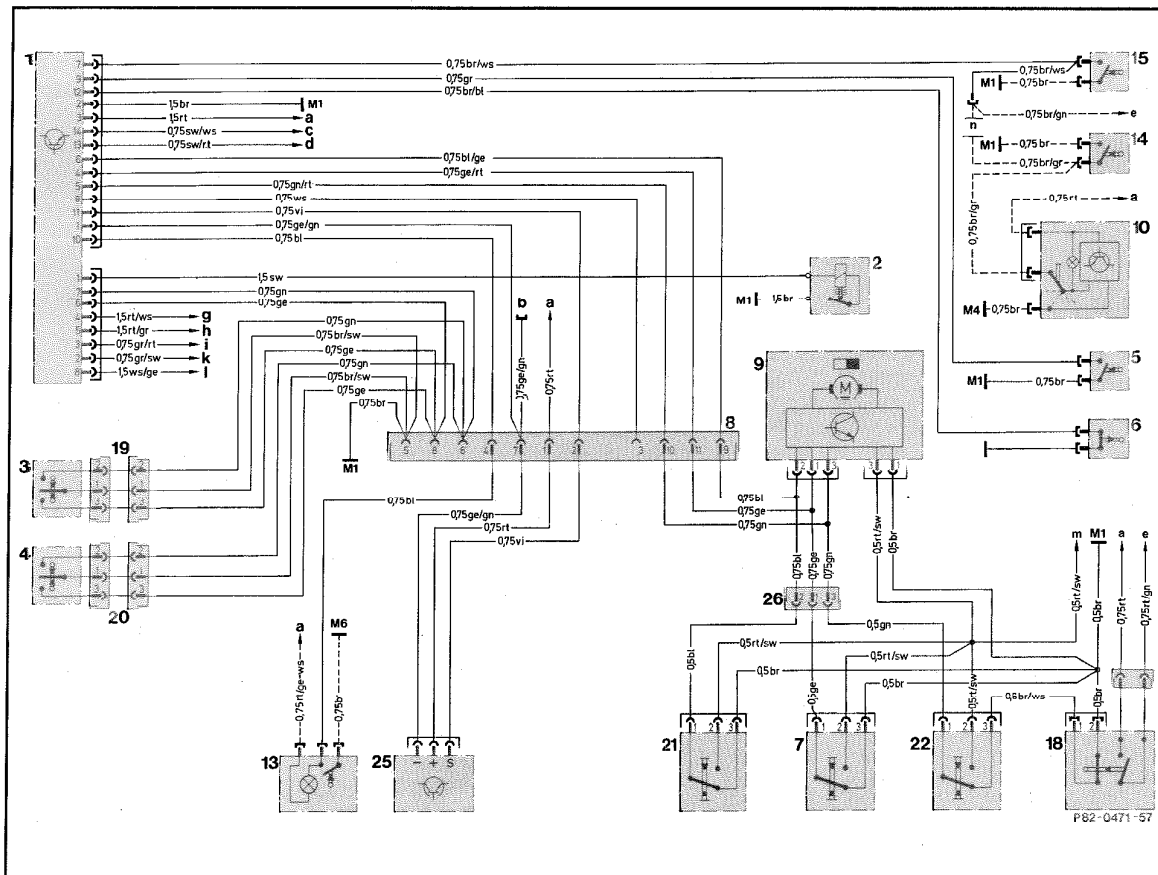


P82-0470-57

Wiring diagram coupe 1985

---	Main cable harness	21	Switching element of central locking system, door front left
—	Auxiliary cable harness ATA system	22	Switching element of central locking system, door front right
1	Control module	25	Towing protection
2	Alarm signal horn	26	Connector between ATA and central locking cable harness
3	Microswitch, driver's door (1-2 off, 1-3 on)	a	Fuse no. 15 (terminal 30)
4	Microswitch, front passenger door (1-2 off, 1-3 on)	b	Free connection, permanent negative current with system switched on (max. 1 A)
5	Switch, engine hood	c	Fuse no. 12 (terminal 15)
6	Switch, radio	d	Terminal block brake light switch (brake light)
7	Switching element of central locking system on trunk lid lock	e	Warning device (seat belt, light and ignition)
8	12-conductor connector (cable harnesses I and II)	g	Auxiliary fuse double (terminal 30)
9	Supply pump of central locking system	h	Auxiliary fuse double (terminal 30)
10	Dome lamp, front with switch	i	Fuse no. 1 (terminal 58R)
13	Trunk lamp	k	Fuse no. 3 (terminal 58L)
14	Door contact switch, front left	l	Fuse no. 8 (terminal 56b)
15	Door contact switch, front right	m	Fuse no. 13 (terminal 30)
18	Warning buzzer contact on steering lock	n	Wire is looped via lacing of backrest lock and via warning device (seat belt, light and ignition)
19	Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)	M1	Main ground (behind instrument cluster)
20	Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II)	M4	Ground dome lamp front
		M6	Ground trunk, wheel arch left

## 82-0980 Function anti-theft alarm (ATA)

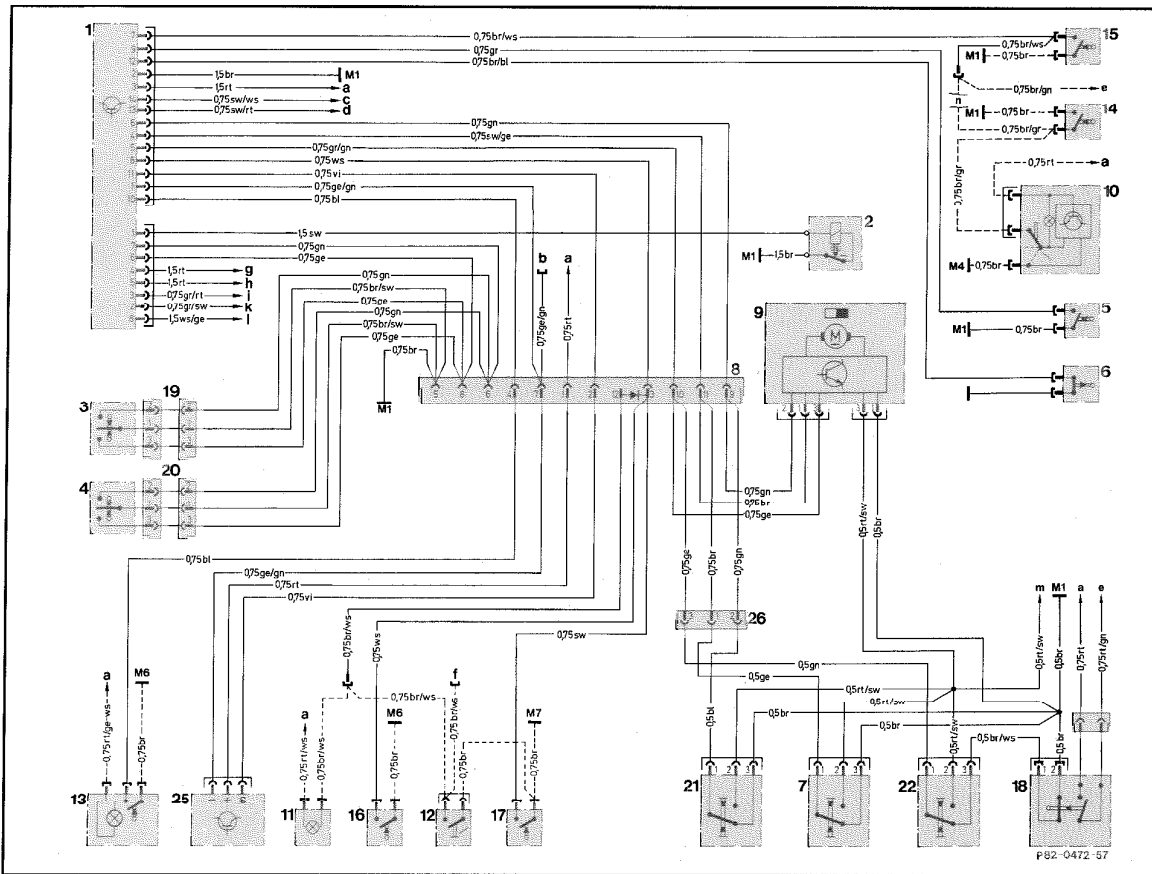


P82-0471-57

### Wiring diagram coupe (phased-in from spring 1985)

---	Main cable harness	22	Switching element of central locking system, door front right
—	Auxiliary cable harness ATA system	25	Towing protection
1	Control module	26	Connector between ATA and central locking cable harness
2	Alarm signal horn	a	Fuse no. 15 (terminal 30)
3	Microswitch, driver's door (1-2 off, 1-3 on)	b	Free connection, permanent negative current with system switched on (max. 1 A)
4	Microswitch, front passenger door (1-2 off, 1-3 on)	c	Fuse no. 12 (terminal 15)
5	Switch, engine hood	d	Terminal block brake light switch (brake light)
6	Switch, radio	e	Warning device (seat belt, light and ignition)
7	Switching element of central locking system on trunk lid lock	g	Auxiliary fuse double (terminal 30)
8	12-conductor connector (cable harnesses I and II)	h	Auxiliary fuse double (terminal 30)
9	Supply pump of central locking system	i	Fuse no. 1 (terminal 58R)
10	Dome lamp, front with switch	k	Fuse no. 3 (terminal 58L)
13	Trunk lamp	l	Fuse no. 8 (terminal 56b)
14	Door contact switch, front left	m	Fuse no. 13 (terminal 30)
15	Door contact switch, front right	n	Wire is looped via lacing of backrest lock and via warning device (seat belt, light and ignition)
18	Warning buzzer contact on steering lock	M1	Main cable ground (behind instrument cluster)
19	Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)	M4	Ground dome lamp front
20	Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II)	M6	Ground trunk, wheel arch left
21	Switching element of central locking system, door front left		

## 82-0980 Function anti-theft alarm (ATA)

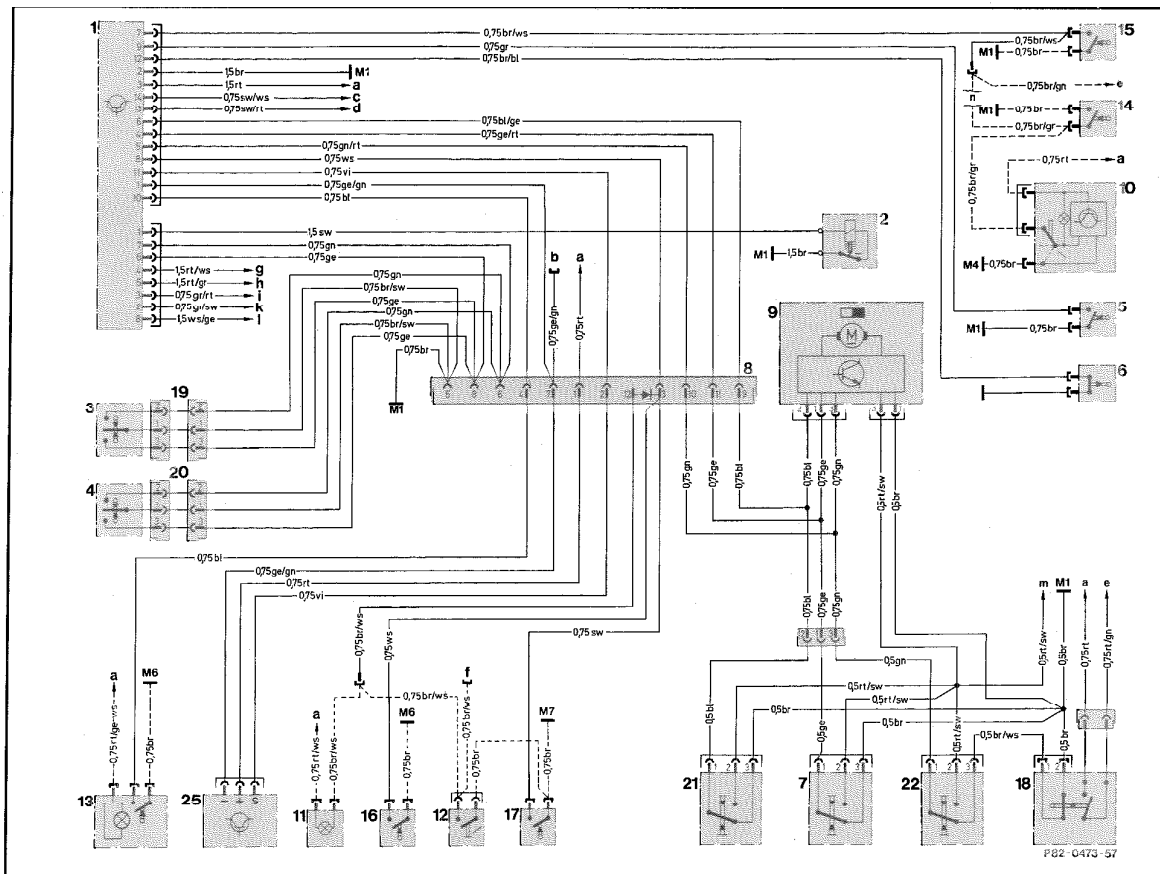


P82-0472-57

### Wiring diagram sedan 1985

---	Main cable harness	21	Switching element of central locking system, door front left
—	Auxiliary cable harness ATA system	22	Switching element of central locking system, door front right
1	Control module	25	Towing protection
2	Alarm signal horn	26	Connector between ATA and central locking cable harness
3	Microswitch, driver's door (1-2 off, 1-3 on)	a	Fuse no. 15 (terminal 30)
4	Microswitch, front passenger door (1-2 off, 1-3 on)	b	Free connection, permanent negative current with system switched on (max. 1 A)
5	Switch, engine hood	c	Fuse no. 12 (terminal 15)
6	Switch, radio	d	Terminal block brake light switch (brake light)
7	Switching element of central locking system on trunk lid lock	e	Warning device (seat belt, light and ignition)
8	12-conductor connector (cable harnesses I and II)	f	Vacant connection (previously door contact switch right)
9	Supply pump of central locking system	g	Auxiliary fuse double (terminal 30)
10	Dome lamp, front with switch	h	Auxiliary fuse double (terminal 30)
11	Dome lamp rear	i	Fuse no. 1 (terminal 58R)
12	Switch dome lamp rear	k	Fuse no. 3 (terminal 58L)
13	Trunk lamp	l	Fuse no. 8 (terminal 56b)
14	Door contact switch, front left	m	Fuse no. 13 (terminal 30)
15	Door contact switch, front right	n	Wire is looped via lacing of backrest lock and via warning device (seat belt, light and ignition)
16	Door contact switch, rear left	M1	Main ground (behind instrument cluster)
17	Door contact switch, rear right	M4	Ground dome lamp front
18	Warning buzzer contact on steering lock	M6	Ground trunk, wheel arch left
19	Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)	M7	Ground trunk, wheel arch right
20	Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II)		

# 82-0980 Function anti-theft alarm (ATA)



P82-0473-57

## Wiring diagram sedan (phased-in from spring 1985)

---	Main cable harness	21	Switching element of central locking system, door front left
- - -	Auxiliary cable harness ATA system	22	Switching element of central locking system, door front right
1	Control module	25	Towing protection
2	Alarm signal horn	26	Connector between ATA and central locking cable harness
3	Microswitch, driver's door (1-2 off, 1-3 on)	a	Fuse no. 15 (terminal 30)
4	Microswitch, front passenger door (1-2 off, 1-3 on)	b	Free connection, permanent negative current with system switched on (max. 1 A)
5	Switch, engine hood	c	Fuse no. 12 (terminal 15)
6	Switch, radio	d	Terminal block brake light switch (brake light)
7	Switching element of central locking system on trunk lid lock	e	Warning device (seat belt, light and ignition)
8	12-conductor connector (cable harnesses I and II)	f	Vacant connection (previously door contact switch right)
9	Supply pump of central locking system	g	Auxiliary fuse double (terminal 30)
10	Dome lamp, front with switch	h	Auxiliary fuse double (terminal 30)
11	Dome lamp rear	i	Fuse no. 1 (terminal 58R)
12	Switch dome lamp rear	k	Fuse no. 3 (terminal 58L)
13	Trunk lamp	l	Fuse no. 8 (terminal 56b)
14	Door contact switch, front left	m	Fuse no. 13 (terminal 30)
15	Door contact switch, front right	n	Wire is looped via lacing of backrest lock and via warning device (seat belt, light and ignition)
16	Door contact switch, rear left	M1	Main ground (behind instrument cluster)
17	Door contact switch, rear right	M4	Ground dome lamp front
18	Warning buzzer contact on steering lock	M6	Ground trunk, wheel arch left
19	Intermediate cable harness with 3-conductor connector (microswitch driver's door and cable harness I)	M7	Ground trunk, wheel arch right
20	Intermediate cable harness with 3-conductor connector (microswitch front passenger door and cable harness II)		

**c) Switching system on and off**

**Switching on**

When locking the driver's or front passenger doors, the microswitch (wiring diagram items 3 or 4) are actuated at the same time. The "negative current" available on the microswitch via the brown/black wire (connection no. 1) is connected to the yellow wire (connection no. 3) and passed to the control module (1) connection no. 6 in the form of an impulse. The system is switched on.

When locking the trunk, the system is switched on by the switching element of the central locking system in the trunk lid. The "negative current" available on the switching element (7) is connected with the brown wire of the connector (8, connection no. 11) via the connector (26) and sent to the control module (1, connection no. 4) via the black/yellow wire. The system is switched on.

**Note**

Phased-in from spring 1985, the brown wire of connector (8, connection no. 11) in the cable harness was changed to yellow and the black/yellow wire to the control module (1, connection no. 4) to yellow/red.

**Alarm sounds:**

When opening the door, the engine hood or the trunk lid, when removing the radio, when switching on or bridging the ignition lock and when actuating the foot brake. If the level of the protected vehicle is subjected to one-sided change, alarm will also be raised.

## 82-0980 Function anti-theft alarm (ATA)

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An auxiliary device designed as towing protection evaluates according to the following criteria:

- Alarm is triggered when level of longitudinal axis changes by 2.2°
- Alarm is triggered when level of transverse axis changes by 1.2°

The control module intermittently activates the acoustic alarm signal for approx. 60 seconds and, after a pause of approx. 30 seconds, for an additional 60 seconds. The optical alarm signal flashes simultaneously for approx. 150 seconds. The alarm will take place even if the triggering factor (e.g. the door) is immediately closed.

The system has a switching-on delay of 10 seconds. If individual doors remain open for longer than 10 seconds to remove items after the system has been switched on, no alarm will be triggered off after expiry of the delay period. If the door is closed, this area is switched on, i.e. alarm will be triggered off if reopened.

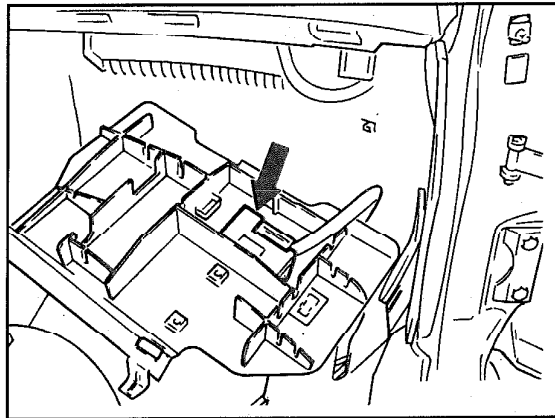
### Switching off

When opening the driver's or front passenger doors, the microswitch (wiring diagram items 3 or 4) will be actuated at the same time. The "negative current" available on the microswitch via the brown/black wire (connection no. 1) is connected with the green wire (connection no. 2) and sent as impulse to the control module (1) connection no. 7. The system is switched off.

When unlocking the trunk, the system is switched off by the switching element of the central locking system in the trunk lid. The "positive current" available on the switching element (7) is connected with the brown wire of the connector (8, connection no. 11) via connector (26) and sent to the control module (1, connection no. 4) via the black/yellow wire. The system is switched off.

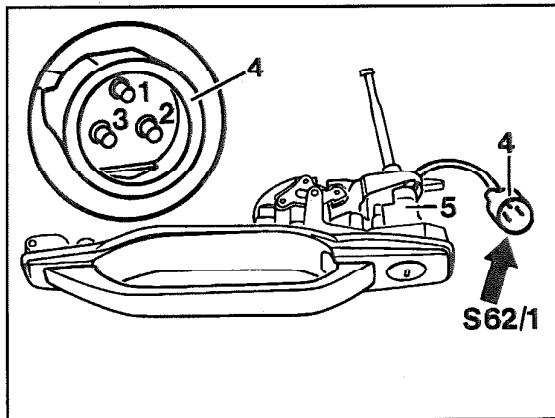
### d) Arrangement of components

Control module  
(in footwell right, below foot support)



P82-2825-13

4 3-conductor connector  
5 Microswitch in door handle

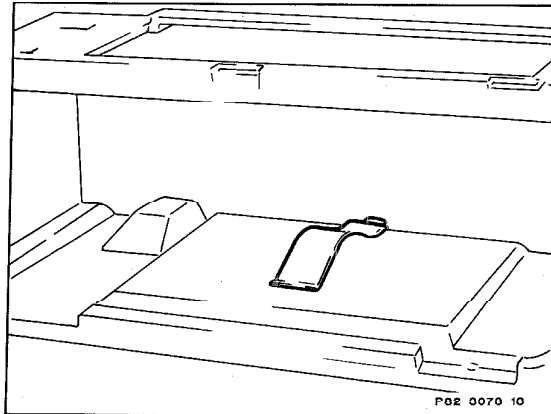


P82-2549-13

## 82-0980 Function anti-theft alarm (ATA)

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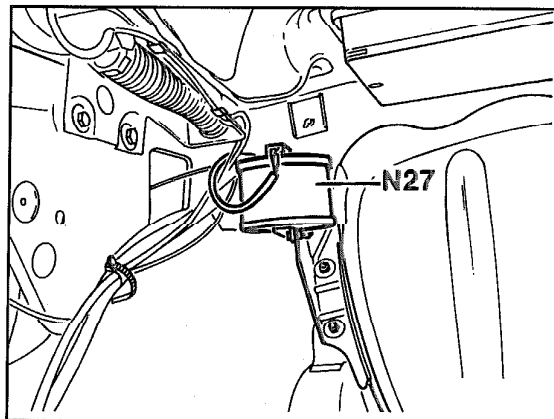
Switch radio (contact spring)



P82 0070 10

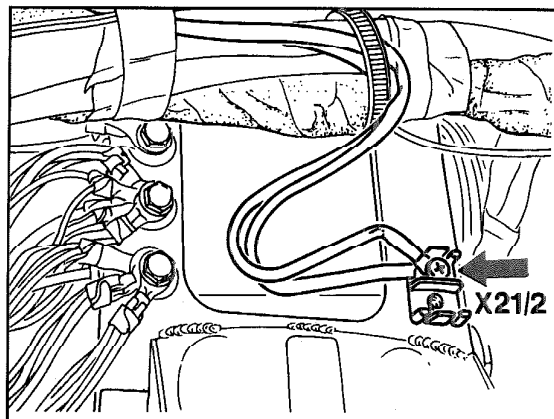
P82-3073-13

Towing protection  
(in trunk behind tank bulkhead)



P82-2548-13

Terminal block brake light wire  
(behind instrument cluster)



P82-2550-13

## F. Version as of 09/86

### a) General

The ATA system is a contact-controlled system with an acoustic alarm signal. If triggered off, the acoustic alarm sounds intermittently for approx. 30 seconds by means of an additional signal horn.

The system is combined with the locking system and can be switched on and off only with the master key (identified by red clip) on the front left and right doors as well as the trunk lid lock. (As of 09/87 the ATA system can also be switched on and off with the auxiliary key.)

The door handle with locking cylinder and microswitch is a unit and can only be replaced as such.

The scope of protection includes the following vehicle components:

- All vehicle doors
- Engine hood and trunk lid
- Radio (removal)
- Brake (actuation)
- Ignition (actuation, shorting)
- One-sided level change of vehicle (towing protection) (no longer included as of 03/87).

### Note

Ignition interruption is not included due to the general operational safety.

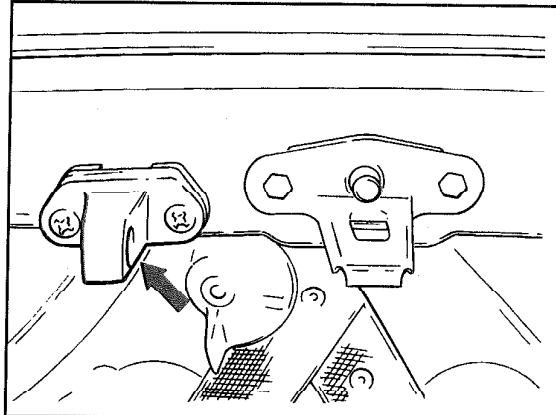
If the vehicle is transported on a car ferry or picky-back train, or parked in a lifting garage, the system must not be switched on as the alarm would be inadvertently triggered off. In this case the vehicle must only be locked with the auxiliary key.

## 82-0980 Function anti-theft alarm (ATA)

### Special function: Additional mechanical trunk lid protection

With the additional protection integrated in the ATA system, the trunk lid is given a double protection by means of a separate particularly heavy lock.

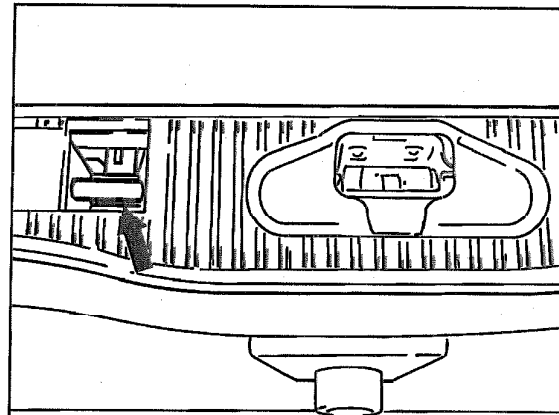
Closing pin (arrow)



P82-2787-13

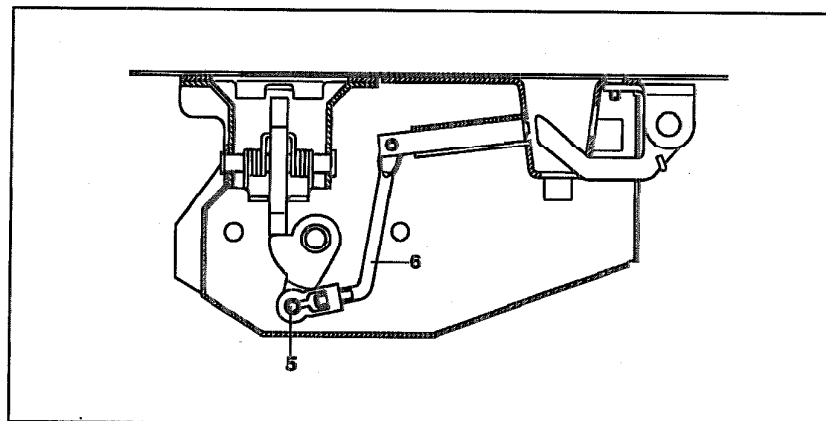
This additional protection can only be actuated on trunk lid lock with the lid closed. Turning the master key to the right into the horizontal position will lock, turning to the left will unlock.

Locking pin (arrow)



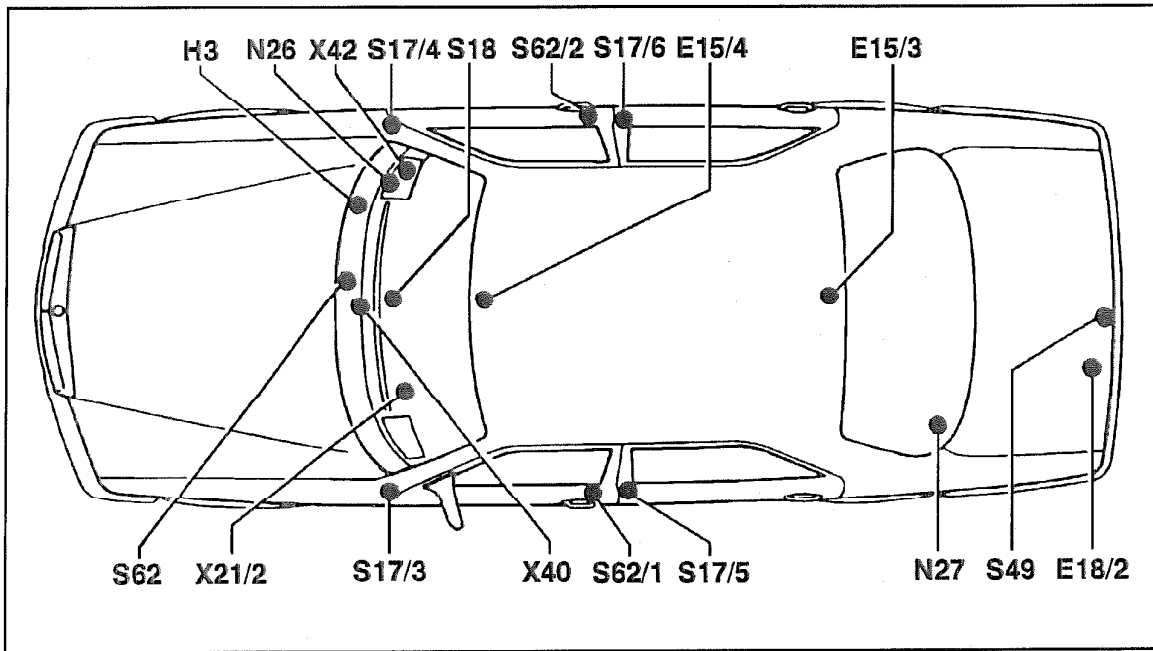
P82-2788-13

Pushbutton lock  
with additional lock



P88-0026-33

## 82-0980 Function anti-theft alarm (ATA)



P82-0221-55

### Layout

E15/3	Rear dome lamp	S17/6	Right rear door switch
E15/4	Dome/reading lamp (with seat belt reminder lamp)	S18	Rear dome lamp switch
E18/2	Trunk lamp with switch	S49	Trunk lid lock actuator
H3	Alarm horn	S62	Engine hood switch (ATA)
N26	ATA control module	S62/1	Left front door switch (ATA)
N27	Anti-tow sensor (TS)	S62/2	Right front door switch (ATA)
S17/3	Left front door switch	X21/2	Terminal block (stop lamp switch/electronic speedometer)
S17/4	Right front door switch	X40	ATA connector (radio) (1-pole)
S17/5	Left rear door switch	X42	ATA connector (front/rear)

## 82-0980 Function anti-theft alarm (ATA)

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### Vehicle keys

The vehicles with ATA are supplied with the following keys:

**Master key, 2 off** – with rectangular handle and red clip. This key can be used for all locks on the vehicle while the ATA system is switched “on” or “off” via the driver’s and front passenger door as well as the trunk locks.

**Master key, 1 off** – as spare key, fused in transparent plastic foil.

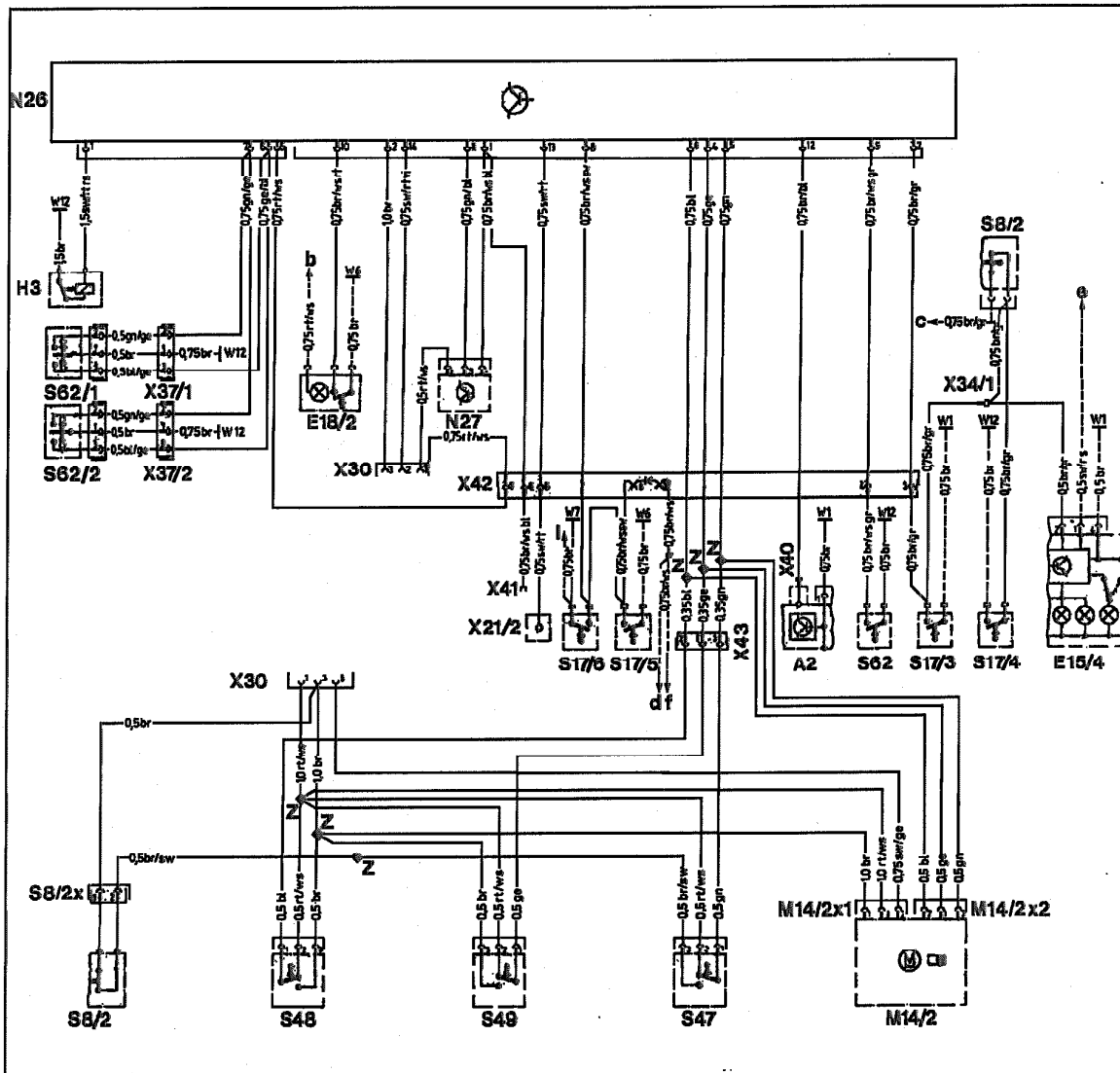
**Auxiliary key, 1 off** – with rounded handle. This key can operate all locks on the vehicle except for the glove box and trunk lock. It must be observed that the ATA system is not switched “on” or “off” with this key.

As of 09/87 the ATA system can also be switched on and off by means of the auxiliary key.

### Note

The spare keys should be ordered similar to vehicles without ATA system by means of code or locking number.

b) Electrical wiring diagrams



P82-0001-59A

Wiring diagram sedan as of 09/86

A2	Radio	S17/3	Left front door switch
E15/4	Dome/reading lamp (with seat belt reminder lamp)	S17/4	Right front door switch
E18/2	Trunk lamp with switch	S17/5	Left rear door switch
H3	Alarm horn	S17/6	Right rear door switch
M14/2	Supply pump (CL/OSB)	S47	Left front door actuator
M14/2x1	Supply pump voltage supply connector (CL/OSB)	S48	Right front door actuator
M14/2x2	Supply pump control line connector (CL/OSB)	S49	Trunk lid lock actuator
N26	ATA control module	S62	Engine hood switch (ATA)
N27 *	Anti-tow sensor (TS)	S62/1	Left front door switch (ATA)
S8/2	Warning buzzer contact (exterior lamps/CL)	S62/2	Right front door switch (ATA)
S8/2x1	Warning buzzer contact connector (exterior lamps/CL)	W1	Main ground (behind instrument cluster)
		W6	Ground (left wheelhousing in trunk)
		W7	Ground (right wheelhousing in trunk)
		W12	Ground (center console)
		X21/2	Terminal block (stop lamp switch/electronic speedometer)

\* no longer included as of 03/87

## 82-0980 Function anti-theft alarm (ATA)

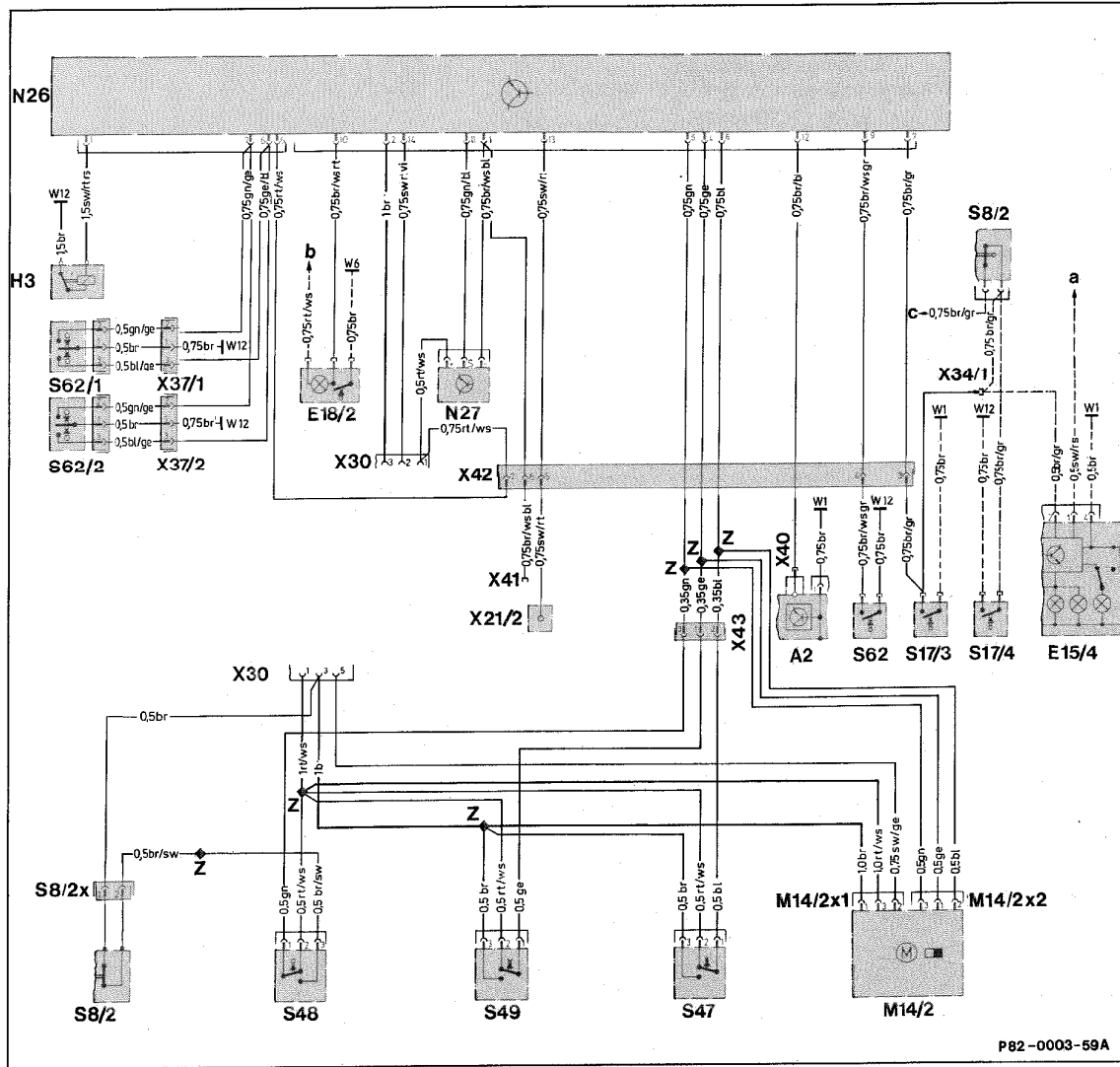
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X30	Accessory equipment connector block	Z	Connector sleeve (solder joint in harness)
X34/1	Left front door contact switch intermediate connector	b	N2/4 Pin 2
X37/1	Connector ATA cable harness front left	c	Instrument cluster warning buzzer
X37/2	Connector ATA cable harness front right	d	Switch dome lamp rear
X40	ATA connector (radio) (1-pole)	e	Feed fuse 7 terminal 15
X41	Roof light bar separation point	f	Entrance lamp rear right
X42	ATA connector (front/rear)	l	No function with ATA
X43	ATA connector (CL system) (3-pole)		Dashed lines are included in series production.

### Note

Z-end sleeve (soldering connector in cable harness) is no longer included as of 09/87. Lines are looped on coupling of component, e.g. M14/2.

## 82-0980 Function anti-theft alarm (ATA)



### Wiring diagram coupe as of 09/86

A2	Radio	S8/2x1	Warning buzzer contact connector (exterior lamps/CL)
E15/4	Dome/reading lamp (with seat belt reminder lamp)	S17/3	Left front door switch
E18/2	Trunk lamp with switch	S17/4	Right front door switch
H3	Alarm horn	S47	Left front door actuator
M14/2	Supply pump (CL/OSB)	S48	Right front door actuator
M14/2x1	Supply pump voltage supply connector (CL/OSB)	S49	Trunk lid lock actuator
M14/2x2	Supply pump control line connector (CL/OSB)	S62	Engine hood switch (ATA)
N26	ATA control module	S62/1	Left front door switch (ATA)
N27 *	Anti-tow sensor (TS)	S62/2	Right front door switch (ATA)
S8/2	Warning buzzer contact (exterior lamps/CL)	W1	Main ground (behind instrument cluster)
		W6	Ground (left wheelhousing in trunk)
		W12	Ground (center console)
		X21/2	Terminal block (stop lamp switch/electronic speedometer)

\* no longer included as of 03/87

## 82-0980 Function anti-theft alarm (ATA)

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X30	Accessory equipment connector block	X42	ATA connector (front/rear)
X34/1	Left front door contact switch intermediate connector	X43	ATA connector (CL system) (3-pole)
X37/1	Connector ATA cable harness front left	Z	Connector sleeve (solder joint in harness)
X37/2	Connector ATA cable harness front right	a	Feed fuse 6 terminal 15
X40	ATA connector (radio) (1-pole)	b	N2/4 Pin 2
X41	Roof light bar separation point	c	Valve backrest lock

Dashed lines are included in series production.

### Note

Z-end sleeve (soldering connector in cable harness) is no longer included as of 09/87. Lines are looped on coupling of component, e.g. M14/2.

### c) Switching system on and off

#### Switching on

When locking the driver's or front passenger doors, the microswitch (S62/1 or S62/2) are automatically actuated. The "negative current" available on the microswitch via the brown wire (connection 1) is connected with the blue/yellow wire (connection 3) and connected to the control module N26 (connection 6) as impulse. The system is switched on.

When locking the trunk, the system is switched on by the switching element S49 of the central locking system in the trunk lid. The "negative current" available on the switching element S49 is connected with the control module N26 (connection 4) via the connector X43 yellow wire (connection 1). The system is switched on.

The control module is activated via the respective contact switch when opening a door or the engine hood or the trunk lid, when removing the radio, when switching on or bridging the ignition lock or when actuating the foot brake. If the level of the protected vehicle is subjected to a one-sided change, the alarm is also raised.

An auxiliary device designed as towing protection N27 evaluates according to the following criteria:

- Alarm sounds when the level of the longitudinal axis is changed by 2.2°
- Alarm is triggered off if the level of the transverse axis is changed by 1.2°

### Note

Towing protection N27 is no longer included as of 03/87.

The control module intermittently activates the alarm signal for approx. 30 seconds. The alarm of approx. 30 seconds continues even if the triggering factor (e.g. the door) is immediately closed again.

The system has a switching-on delay of 10 seconds. If individual doors remain open for longer than 10 seconds after expiry of the delay period in order to remove items, no alarm will be triggered off. If the door is closed, this area will be switched on, i.e. alarm will be triggered off upon reopening.

### Switching off

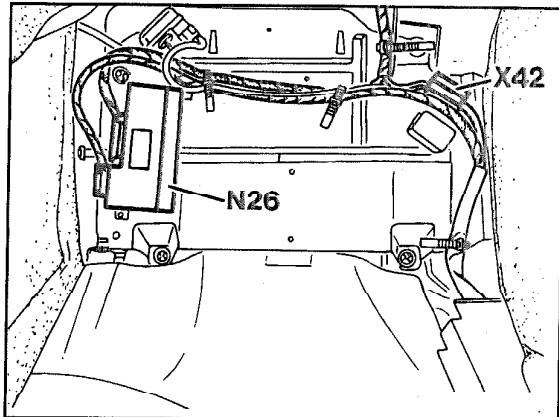
When opening the driver's or front passenger doors, the microswitch (S62/1 or S62/2) will be actuated at the same time. The "negative current" available on the microswitch via the brown wire (connection 1) is connected with the green/ yellow wire (connection 2) and sent as an impulse to the control module N26 (connection 7). The system is switched off.

When unlocking the trunk, the system is switched off by the switching element S49 of the central locking system on the trunk lid. The "positive current" available on the switching element S49 is connected to the control module N26 (connection 4) via the connector X43 yellow wire (connection 1). The system is switched off.

## 82-0980 Function anti-theft alarm (ATA)

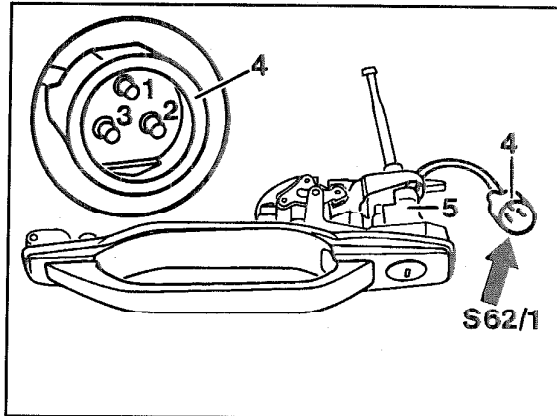
### d) Arrangement of components

Control module  
(in footwell right, below front support)



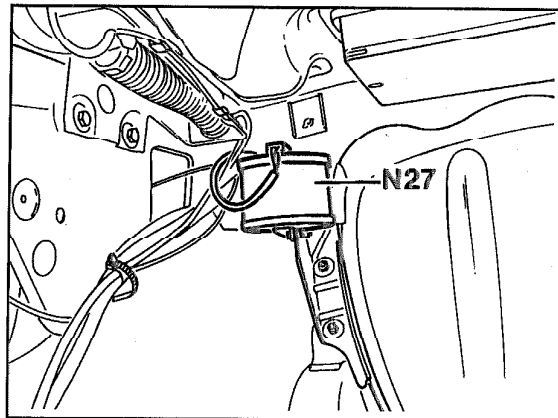
P82-2541-13

- 4 3-conductor connector S62/1
- 5 Microswitch in door handle



P82-2549-13

Towing protection N27 (no longer included as  
of 03/87) (in trunk behind tank bulkhead)

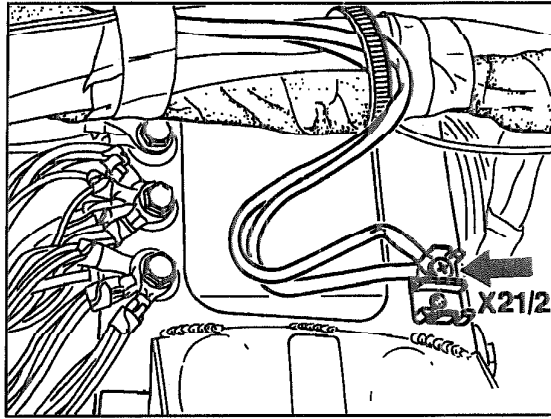


P82-2548-13

## 82-0980 Function anti-theft alarm (ATA)

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Terminal brake light wire  
(behind instrument cluster)



P82-2550-13