

82-0530 Function of automatic antenna

A Up to model year 1990

With the radio switched on, the antenna can be positioned in three different positions with the antenna switch.

Antenna switch in center position

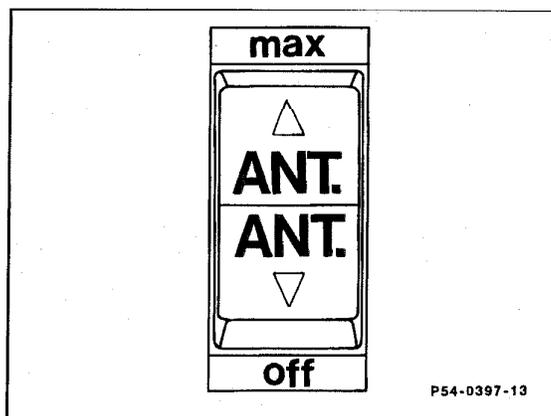
The antenna automatically extends for approx. 30 cm when the radio is switched on. By briefly touching the switch the antenna can be further extended to the position most favorable for reception.

Antenna switch engaged in extended position

The antenna extends to the full length.

Note

If the radio is switched off or the key in the steering lock turned to position 0, the antenna is fully retracted.



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Antenna switch engaged in retracted position

The antenna does not extend, e.g. for cassette operation or the antenna is fully retracted if it was previously extended.

**Electrical function (Hirschmann antenna
Auta 6000)**

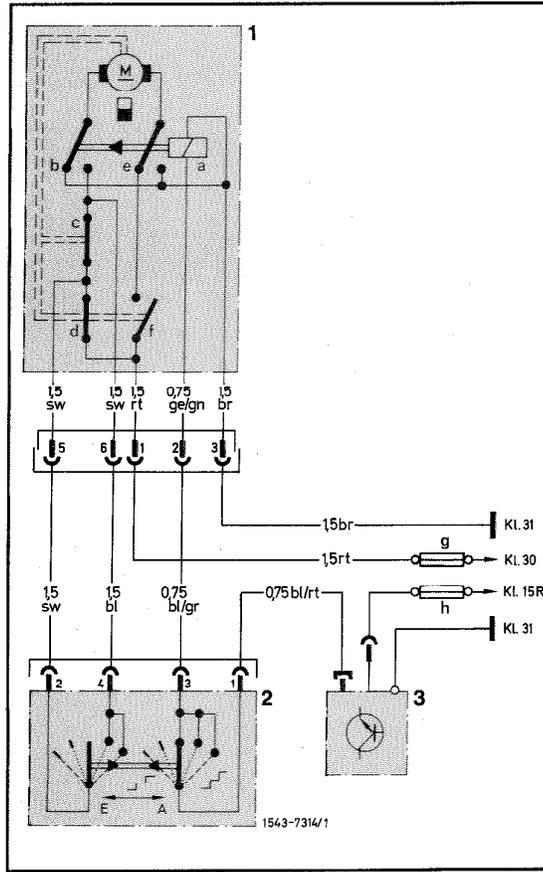
Antenna switch in center position

When the radio is switched on, voltage reaches the relay coil a via the antenna switch and closes the contacts b and e.

From the fuse g (terminal 30) the antenna motor is connected to positive via the contacts d, c and b and to negative via the contact e.

The motor starts and the antenna moves out. After the antenna has moved out approx. 30 cm, the contact c is automatically opened and the circuit for the electric motor is interrupted.

- 1 Automatic antenna
- 2 Antenna switch
- 3 Radio receiver
- E Retracted position
- A Extended position
- Inching position (in antenna switch 2)
- Engaged position (in antenna switch 2)
- g Fuse automatic antenna (terminal 30)
- h Fuse radio (terminal 15R)

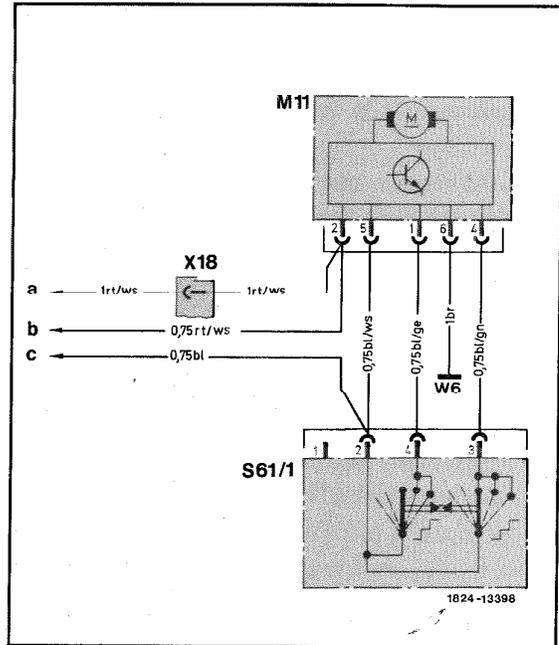


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**Wiring diagram (Hirschmann antenna Auta 6000
EL, see Note)**

- M11 Automatic antenna
- S61/1 Switch automatic antenna
- X18 Connector interior/tail lamp wiring harness
- W1 Main ground (behind instrument cluster)
- W6 Ground trunk wheel arch left
- a Fuse 15 terminal 30
- b Trunk lamp E18/2
- c Control wire radio A2



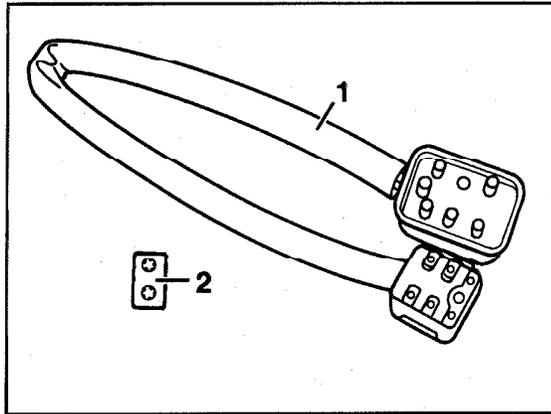
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Note

Hirschmann antenna Auta 6000 EL

The automatic antenna Auta 6000 EL replaces the Auta 6000 U antenna. If the Auta 6000 U antenna has to be replaced on vehicles, additional work is required. The parts required are included in the scope of delivery of the antenna.

- 1 Adapter line
- 2 Contact bridge

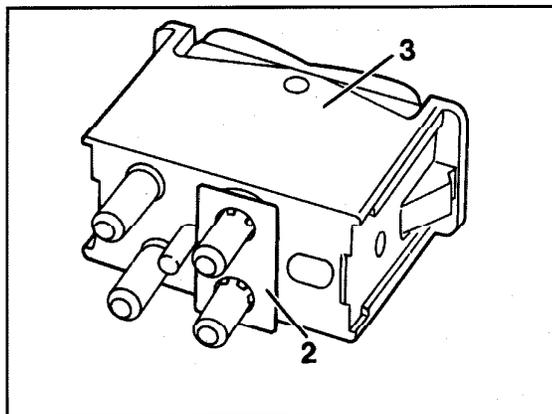


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Scope of work

- 1 Insert rubber seal in antenna bore.
- 2 Install adapter line between previous connection and the new antenna.
- 3 Remove antenna switch and fit contact bridge to connector 1 and 2.
- 4 Install antenna switch.

- 2 Contact bridge
- 3 Antenna switch



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B. As of model year 1991

The automatic antenna extends to the maximum length as soon as the radio is switched on. The manual adjustment of the automatic antenna with the antenna switch is no longer available.