

Electric outside temperature gauge



Revision: Speed-dependent electric outside temperature gauge

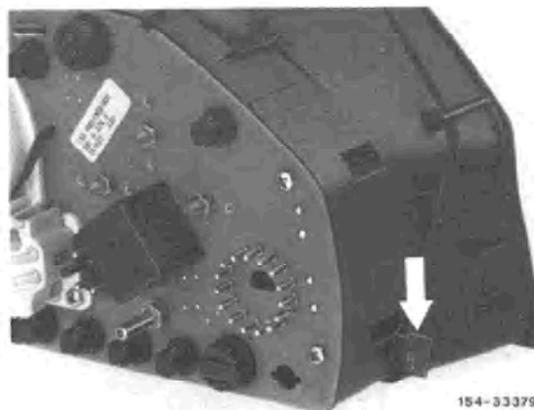
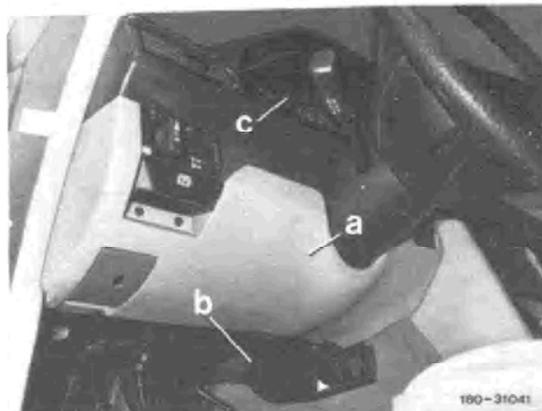
Model 124 lefthand steering

54.6

Scope

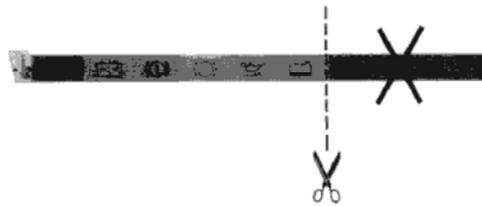
- 1 Disconnect grounding line on battery.
- 2 Loosen fuse carrier and put aside.
- 3 Remove lefthand front floor mat
- 4 Remove radio screen or radio.
- 5 Remove lower half of lefthand cover under instrument panel.
- 6 Remove instrument cluster.
- 7 Pull out symbol strip (arrow) on instrument cluster.

b Cover, bottom
c Instrument cluster



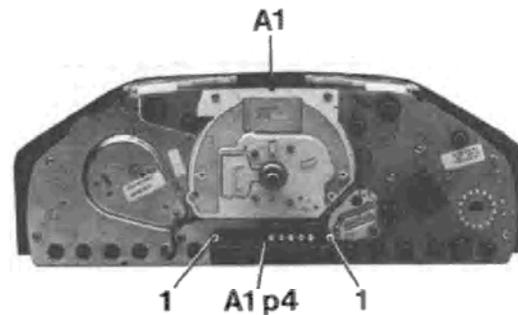
8 Cut off blue field of symbol strip (no longer required).

9 Slip shortened symbol strip back again into instrument cluster.



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10 Introduce outside temperature gauge into its shaft in instrument cluster and fasten with 2 screws.

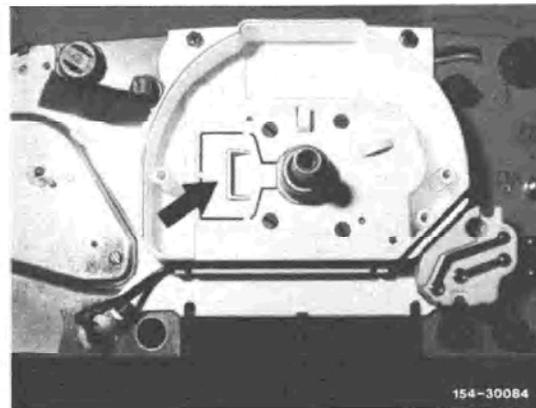


- 1 Screw B3.5 x 16
- A1 Instrument cluster
- A1 p4 Outside temperature gauge

154-35 320

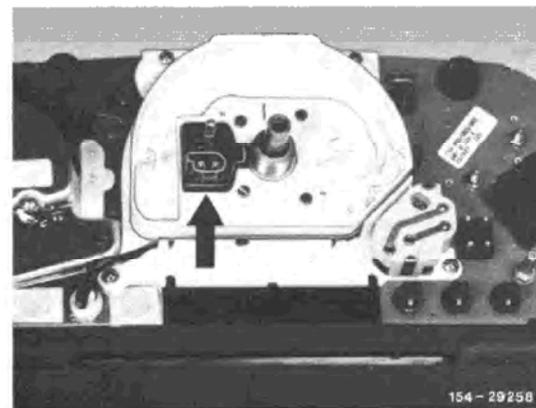
Vehicles with Hall-effect sensor only

11 Break out cut-out for Hall-effect sensor on instrument cluster.



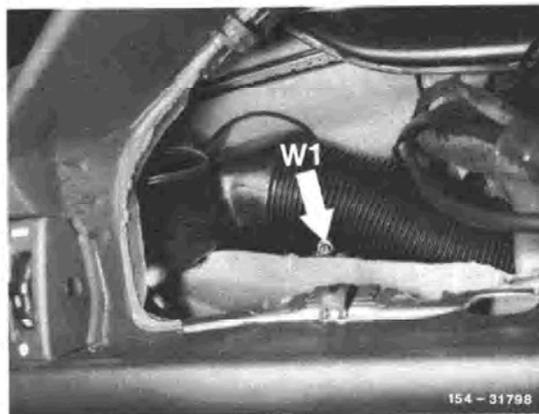
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12 Screw Hall-effect sensor to instrument cluster.



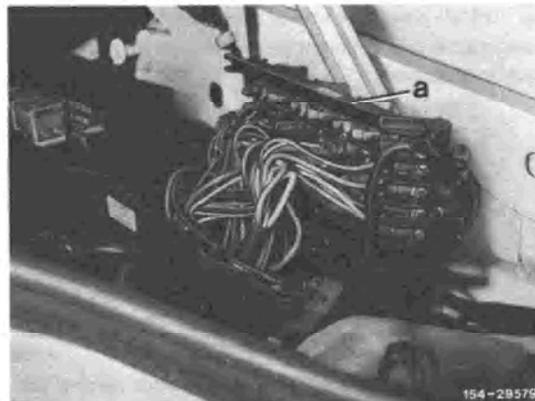
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13 Connect brown line of auxiliary harness Hall-effect sensor to main grounding point (W1, arrow) in instrument cluster cut-out.



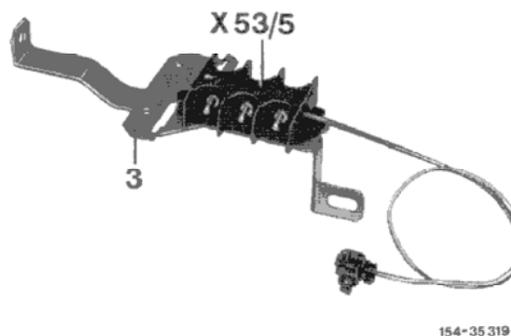
W1 Main ground (behind instrument cluster)

14 Install black/red-violet line from harness for Hall-effect sensor to fuse carrier (a) and connect to output of fuse 5.



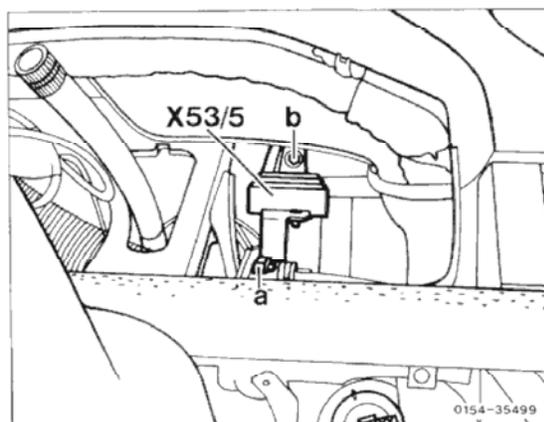
Vehicles with Hall-effect sensor only

15 Mount multipoint connector, Hall-effect sensor to holder.



3 Holder
X53/5 Multipoint connector,
Hall-effect sensor

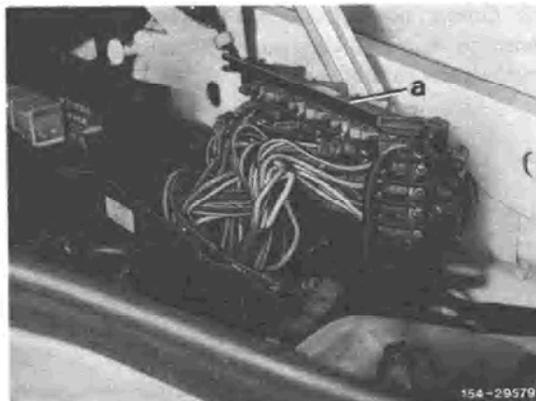
16 Fasten multipoint connector, Hall-effect sensor with holder to lefthand upper fastening of heater box and to steering column console and connect all speed signal lines.



X53/5 Multipoint connector,
Hall-effect sensor
a Nut M10
b Nut M6

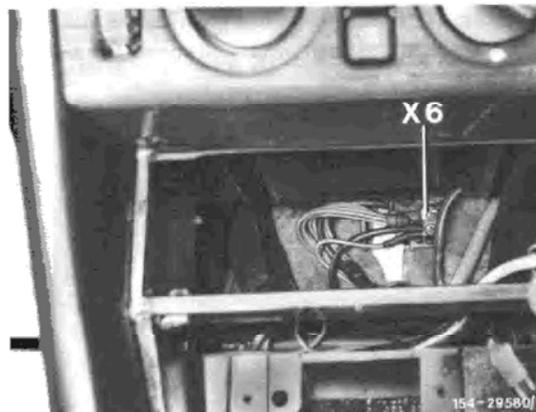
All vehicles

17 Pull lacings of auxiliary harness with double connector and black/red line from interior into fuse and relay box and connect the black/red line to output of fuse 6.



a Fuse carrier

18 Install grey/blue line of auxiliary harness along main harness to terminal block (X6, arrow) on heater box and connect.

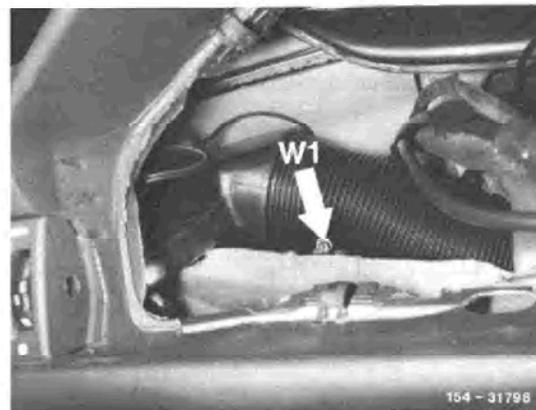


X6 Terminal block terminal 58d

19 Connect brown line of auxiliary harness to main grounding point (W1, arrow) in instrument cluster cutout.

20 Install instrument cluster, while also connecting the auxiliary harnesses for outside temperature gauge and Hall-effect sensor or multipoint connection.

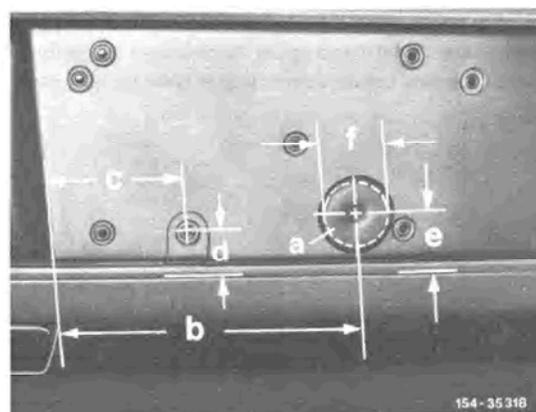
21 Remove number plate, front.



W1 Main ground (behind instrument cluster)

22 Remove rubber plug on front bumper or mark opening according to Fig. and drill to 25 mm dia.

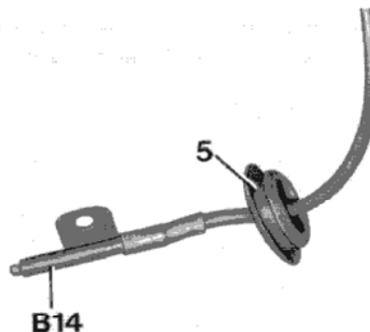
23 Mark fastening hole for temperature sensor and drill to 3.5 mm dia. (vehicles without fastening hole only).



a Rubber plug
b 150 mm
c 95 mm
d 25 mm
e 35 mm
f 25 mm dia.

24 Slip grommet included in delivery on temperature sensor line.

25 Fasten temperature sensor to bumper with sheet metal screw BZ 3.5 x 9.5.



- 5 Rubber grommet
- B14 Temperature sensor outside temperature gauge

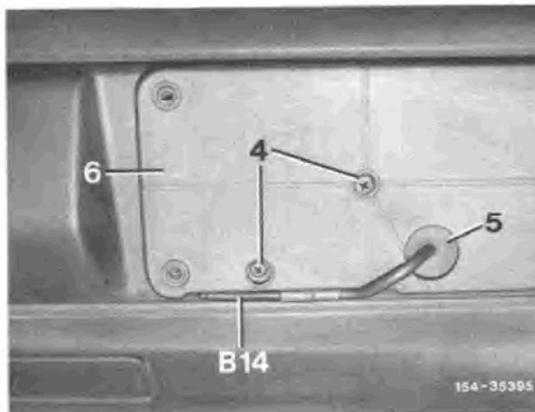
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26 Install temperature sensor line through opening of cover plate into bumper.

27 Fasten cover plate with sheet metal screw B 4.8 x 19, insert rubber grommet into opening of bumper and install temperature sensor line into recess of cover plate.

28 Mount number plate with new screws B 4.8 x 19 mm.

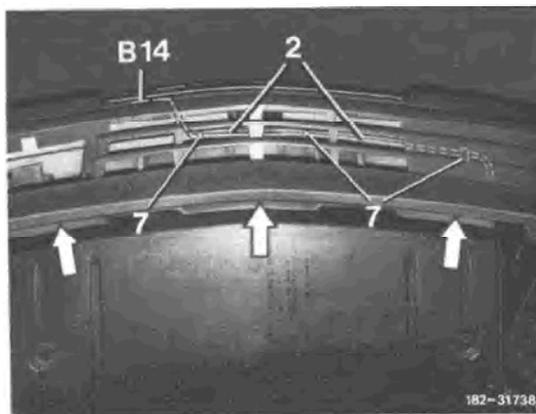
- 4 Sheet metal screw
- 5 Rubber grommet
- 6 Cover plate
- B14 Temperature sensor, outside temperature gauge



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29 Push lower edge of bumper away in forward direction (arrows). Then install temperature sensor line toward lefthand side member and fasten with clamps.

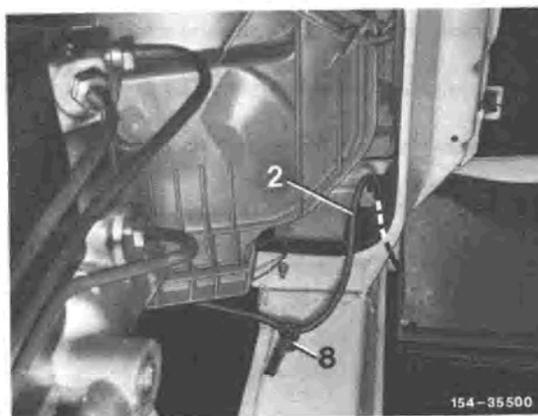
- 2 Temperature sensor line
- 7 Clamp
- B14 Temperature sensor, outside temperature gauge



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30 Fasten temperature sensor line to lefthand side member with cable strap.

- 2 Temperature sensor line
- 8 Cable strap

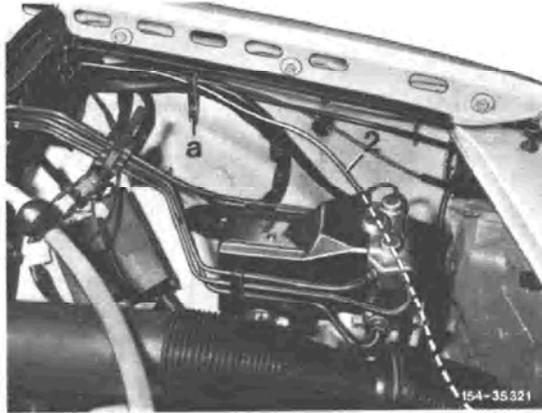


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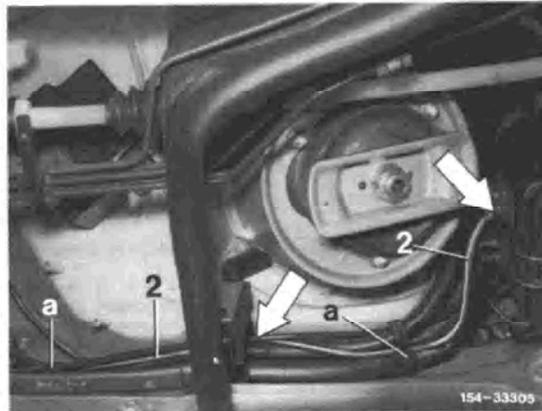
31 Install temperature sensor line along headlamp harness, left, and fasten with available cable straps.

2 Temperature sensor line
a Available cable strap



32 Install temperature sensor line through unit compartment partition and rubber grommet (arrows) into fuse box.

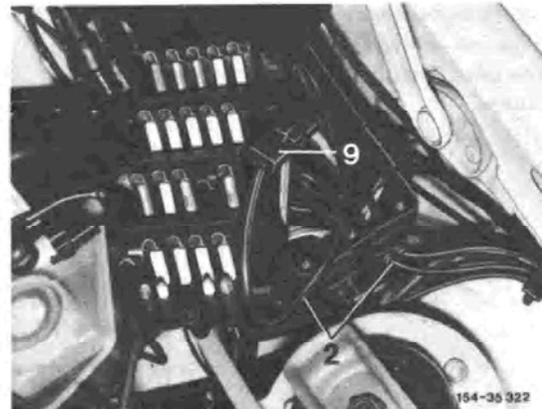
2 Temperature sensor line
a Available cable strap



33 Mount plug housing to line of temperature sensor. Connect temperature sensor to auxiliary harness.

34 Mount fuse and relay carrier.

2 Temperature sensor line
9 Plug housing



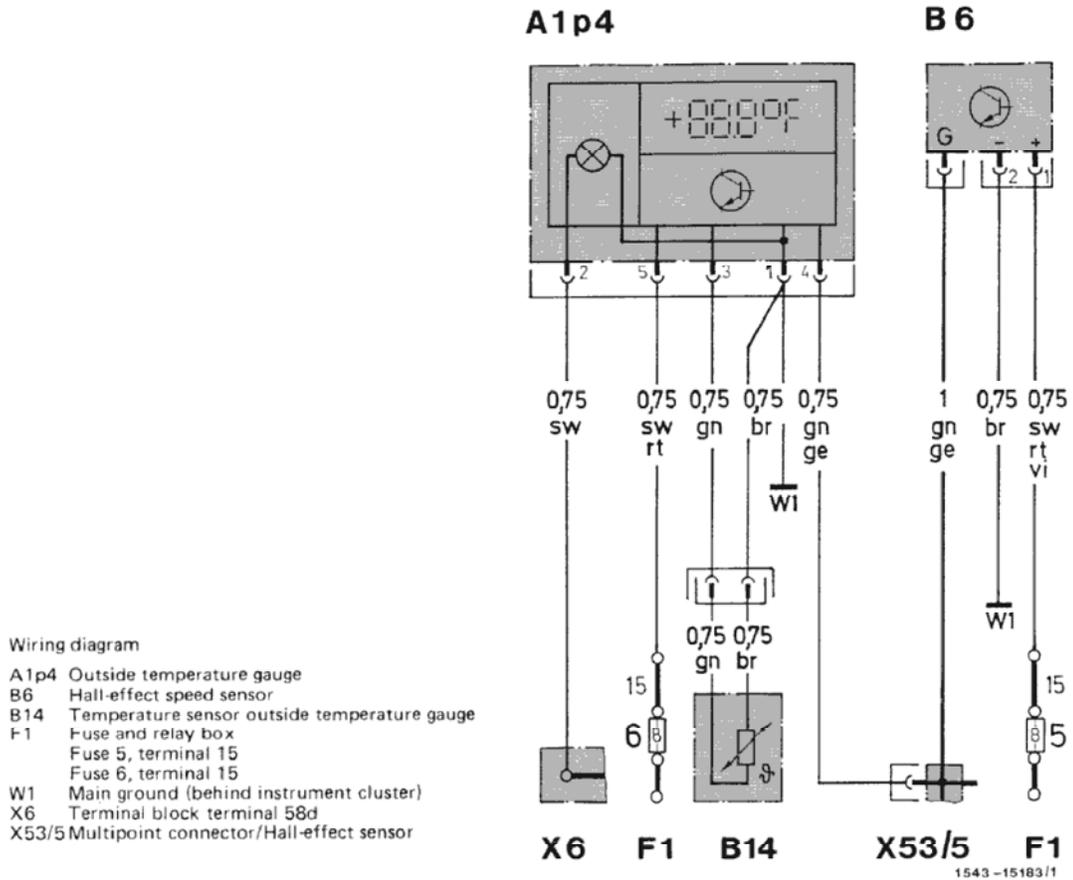
35 Install radio screen or radio and ashtray.

36 Install cover under instrument panel, left.

37 Install floor mat front left.

38 Connect grounding line to battery.

39 Check outside temperature gauge for function.



How-to-order note

Take parts required for installation from the following spare parts data:

Scope

Hall-effect sensor¹⁾

ET fiche Group 54

Hall-effect sensor harness¹⁾

Multipoint connector Hall-effect sensor²⁾

Holder²⁾

ET fiche Group 82

1) On vehicles without Hall-effect sensor only

2) On vehicles with Hall-effect sensor only

Available from: Plant 50 (PEW Sindelfingen)

