



Original Zubehör
Genuine Accessories
Accessoires d'Orgine

Fitting instructions

Electrical installation kit

Part number

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Vehicle model: **VW Golf A5 Variant RHD, 13-pin**
 VW Jetta A5 Limousine RHD, 13-pin

05/07 >>

08/05 >>

GB

Package includes:

- 1 Socket cable set, 12-core with pre-assembled socket
- 1 8-core cable set for connection to the on-board electrical system
- 1 Cable set, 3-core for connection to the power supply
- 1 Trailer connection unit
- 1 13-pin socket incl. fitting material
- 3 Flat pin fuses 15 A
- 1 Cable ties 300 mm long
- 15 Cable ties 150 mm long

General procedure:

- Install electrical kit
- Fit socket
- Connect trailer connection unit
- Check operation

Important note

Before starting work read the installation instructions.

The electrical installation kit may only be fitted by qualified specialists.

Follow guidance in the current repair manual when carrying out installation work on the vehicle.

The ABS control unit must be recoded for activation of the trailer stabilisation system.



Caution - disconnect battery

Damage to the vehicle electronics may result in loss of stored electronic data.

Before starting work read out error memory.

► Note

When fitting, pay particular attention to the following points:

- Wiring must not be pinched or damaged.
- All seals must be properly seated.
- The seal for the socket must be positioned on the insulating sleeve and not on the individual wires.
- Route wiring so that it does not chaff against the vehicle or break off.
- Do not route wiring immediately next to the exhaust system.

Failure of a trailer light (also the indicators, not reversing light and rear fog light) is shown by the lamp failure indicator on the instrument panel. There is no additional warning lamp (C2) in the vehicle for checking the turn signal indicators on the trailer.

For trailer operation the rear fog light of the towing vehicle is disabled.

A rear fog light must be retrofitted on trailers not already equipped with one.

A socket adapter may only be used in trailer operation. Remove the socket adapter when trailer operation is not in use.

Check the operation of the trailer using a trailer or test equipment with load resistances.

Technical changes reserved!

Installation overview

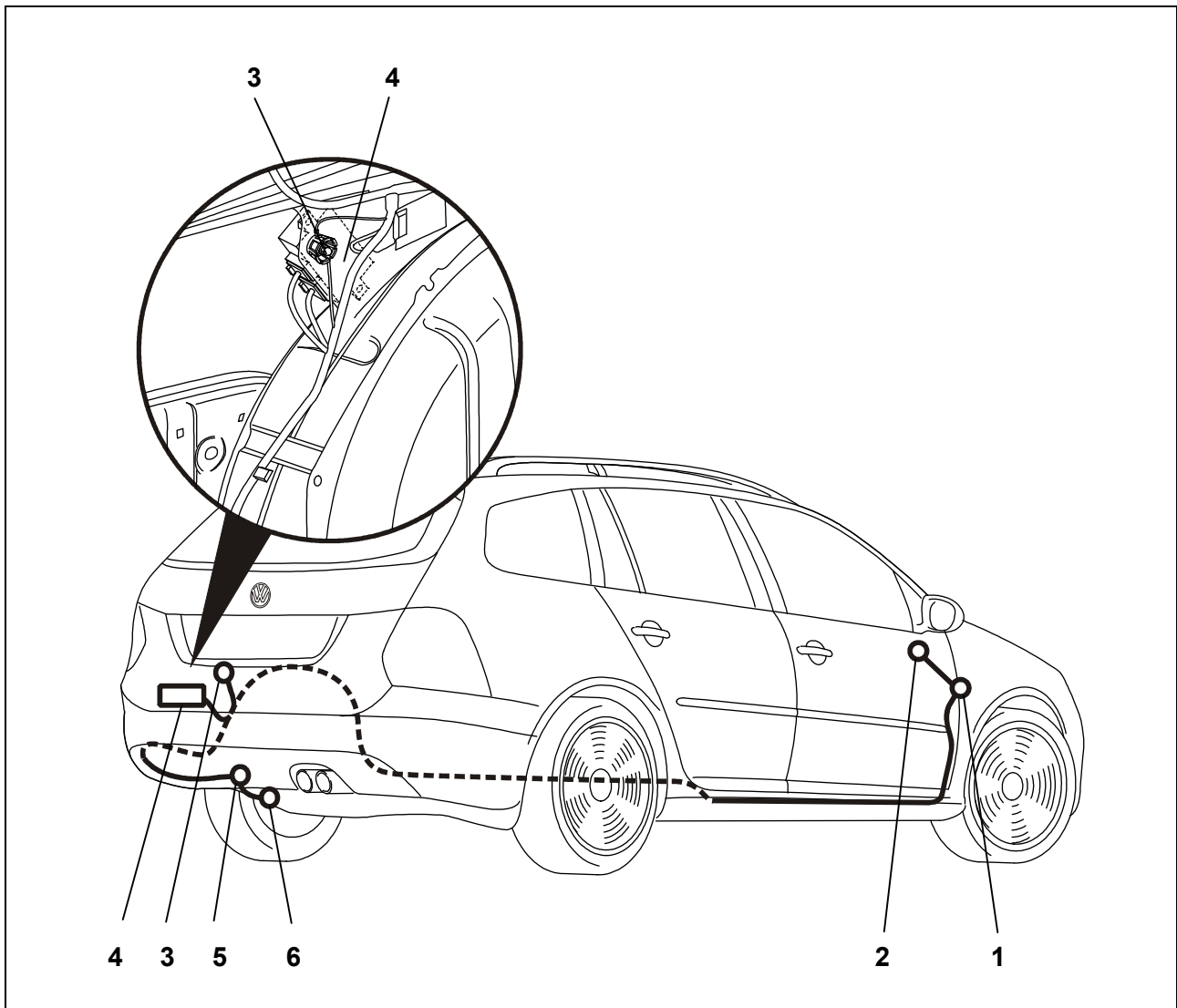


Fig. 1: Installation overview Golf

- | | |
|-------------------------------------------|---------------------------|
| 1 On-board electrical system control unit | 4 Trailer connection unit |
| 2 Fuse box | 5 Hole for cable |
| 3 Ground point | 6 Trailer socket |

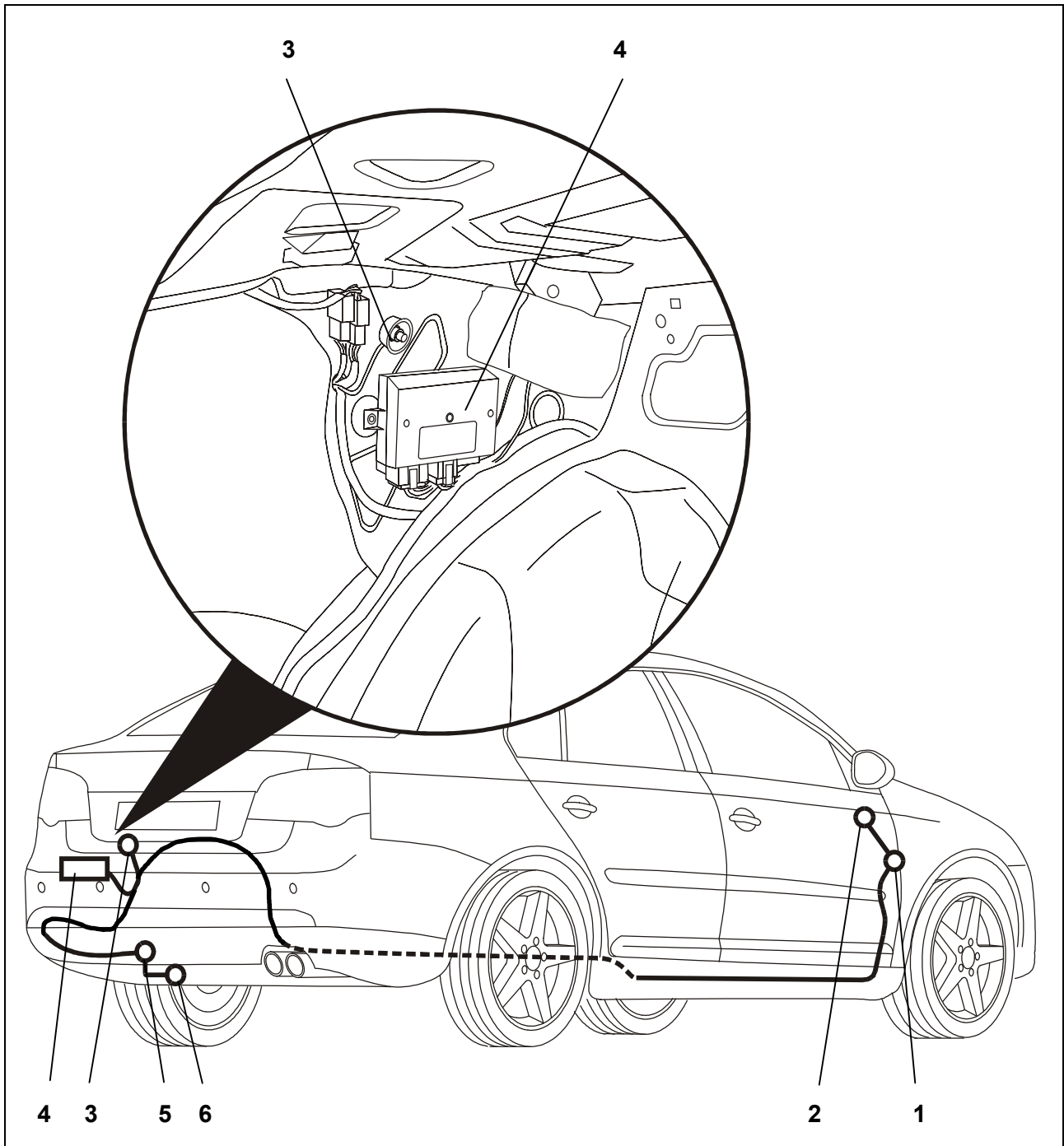


Fig. 1: Installation overview Jetta

- | | |
|-------------------------------------------|---------------------------|
| 1 On-board electrical system control unit | 4 Trailer connection unit |
| 2 Fuse box | 5 Hole for cable |
| 3 Ground point | 6 Trailer socket |

Install electrical kit

1. Disconnect negative terminal of battery.
2. If necessary remove the following covers and panelling:
 - In the boot
 - Boot floor cover
 - Loading lip cover
 - Panelling on the left hand side of the boot
 - On the righthand side of the vehicle
 - Seats of the rear bench seat
 - Door sill trim plates.
 - Right panelling by the steering column
 - Fuse box cover
3. Remove cover from the 40 mm hole in the vehicle tail end panel on the left of centre Fig. 1/5).
4. Fix trailer connection unit in the space provided on the left-hand side of the boot using the fixing screws and M6 nuts provided (Fig. 1/4)
5. Route the end of the cable with the 16-pin plug and eye ring from outside through the hole to the trailer connection unit (Fig. 1/4).
6. Insert the rubber grommet in the hole (Fig. 1/5).
7. Route the end of the cable set with the socket to the socket mounting plate (Fig. 1/6).

Fit socket

8. Push contact insert into the socket housing and slide rubber seal up to the socket.
9. Secure the socket to the mounting plate with the screws provided (Fig. 1/6), torque setting: max. 2.0 Nm.

Connect trailer connection unit

10. Locate the 16-way socket housing in the socket provided on the trailer connection unit (Fig. 1/4).
11. Locate the 12-way socket housing of the 8-core cable set in the socket provided on the trailer connection unit.
12. The "charge line" and "ground for charge line" functions can be retrofitted via the 3-pin plug for the permanent positive pre-installation.

Install electrical kit

13. Connect the brown and brown/white wires with eye rings to the ground point on the vehicle (Fig. 1/3).
14. Route the 8-core cable set over the left wheel housing up to the rear bench seat, then across from left to right and along the existing cable looms / cable ducts on the driver's side up to the control unit for the vehicle electrical system in the driver's footwell (Fig. 1/1).
15. Pull out the black 12-pin plug (socket G) from the on-board electrical system control unit and open the catch. Release the following wires and insert in the 3-pin black socket housing on the cable set:
 - Orange/brown wire from chamber 7 into chamber 1.
 - Orange/green wire from chamber 8 into chamber 3.
16. Insert the orange/ brown and orange/green wires from the cable set, according to colour, into the freed chambers 7 and 8 of the 12-pin plug.
17. Close catches and re-connect plug to the on-board electrical system control unit.
18. Pull out the black 16-pin plug (socket E) from the on-board electrical system control unit and open the catch. Release the following wire and insert into the 3-pin white socket housing on the cable set:
 - Black/red wire from chamber 2 into chamber 2.
19. Insert the black/red wire from the cable set into the freed chamber 2 of the 16-pin plug. Close catch.
20. Re-connect plug to the on-board electrical control system.
21. Plug the 3-pin black and white housings together.
22. Slide open the purple catch in the fuse box (Fig. 1/2). Remove the fuse-protected wire from chamber 4 and insert into the 1-pin housing on the cable set.
23. Insert the black/blue wire from the cable set into chamber 4 in the fuse box.
24. Plug the 1-pin housings together.
25. Insert the following wires into fuse-protected side of the fuse chambers as indicated.
 - Red wire into chamber 43.
 - Red/black wire into chamber 44.
 - Red/blue wire into chamber 45.
26. If fuse positions 43 - 45 on the vehicle have not been pre-equipped with terminal 30, the cable adapter supplied must be used.

Insert wire ends as follows:

 - Red wire in the free socket of fuse 43
 - Red/black wire in the free socket of fuse 44
 - Red/blue wire in the free socket of fuse 45

Plug the contact with the triple lug into the free contact of the bridge fuse for fuses 22-27.
27. Insert 15 A fuses provided into fuse positions 43, 44 and 45.

Check operation

28. Re-connect ground of vehicle battery.
29. The factory-fitted Gateway must be coded for function extension 'towing hitch' using the V.A.G. service tester as follows.
 - 19 Diagnosis interface for data bus
 - 007 Coding (Service 1A)
 - 69 Trailer function (code)
30. On vehicles with park distance control adjust the PDC offset:
 - address 76 (park distance control)
 - adjustment
 - channel 2
 - 0 – 30cm (standardt: 11cm)
31. On vehicles from model year 2008 with park distance control II, the PDC control unit must be coded as follows:
 - Vehicle self-diagnosis
 - 10 park distance control II
 - 08 code control unit
 - Change the code value: Byte 0 Bit sample xxxxxx1 (x: enter the available values in the entry field). To do this, switch to entry mode [BIN].
32. When using a trailer, the vehicle's central fuse, relay and terminal box must coded as follows to deactivate the rear fog lamp:
 - Select vehicle system: 09 Central electronic fuse, relay and terminal box
 - Identification: Continue
 - Select diagnostic function: 007 – Coding (Technical Support 1A)
 - Select vehicle system: Electrical system control unit Coding long
 - Change coding value: Byte 8 bit character set x1xxxxxx (x: enter the current values in the input field), and switch to input mode [BIN].”

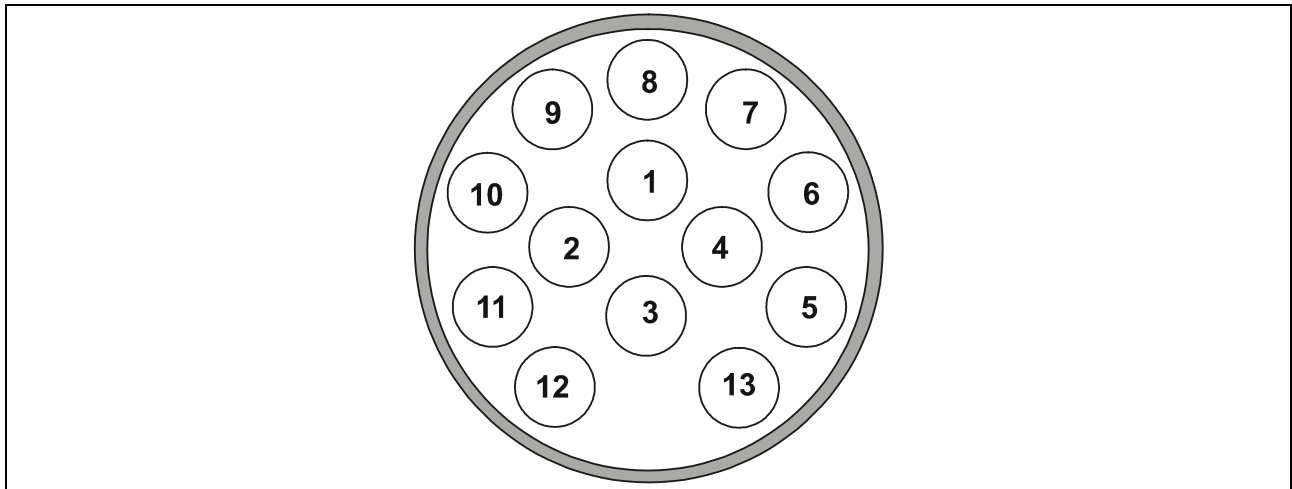
33. For vehicles from production date 06 .06 .2005, which are factory fitted with a control unit that supports trailer stabilisation, **this function must be activated** with the Guided Fault Finding:

- Continue
 - Jump to “Function / Component Selection”
 - Suspension
 - brake system
 - Systems capable of self-diagnosis
 - Brake system
 - Functions
 - General functions
 - Adaptation of towing stability TSP

If this option is not displayed in the menu, trailer stabilisation is not supported by the control unit installed.

34. Check the operation of the trailer using suitable test equipment (with load resistances) or with a trailer.
35. Secure all wires with cable ties.
36. Re-fit all disassembled parts.

Socket allocation



Contact	Circuit	Cable colour
1	Turn signal indicator, left	Black/white
2	Rear fog light	Grey/blue
3	Ground (Circuit 1-8)	Brown
4	Turn signal indicator, right	Black/green
5	Tail light, right	Grey/red
6	Brake light	Black/red
7	Tail light, left	Grey/black
8	Reversing light	Black/blue
9	Uninterrupted positive	Red
10	Charge line	Yellow
11	Ground (Circuit 10)	Brown/white
12	Trailer detection	--
13	Ground (Circuit 9)	Brown