



**WESTFALIA**

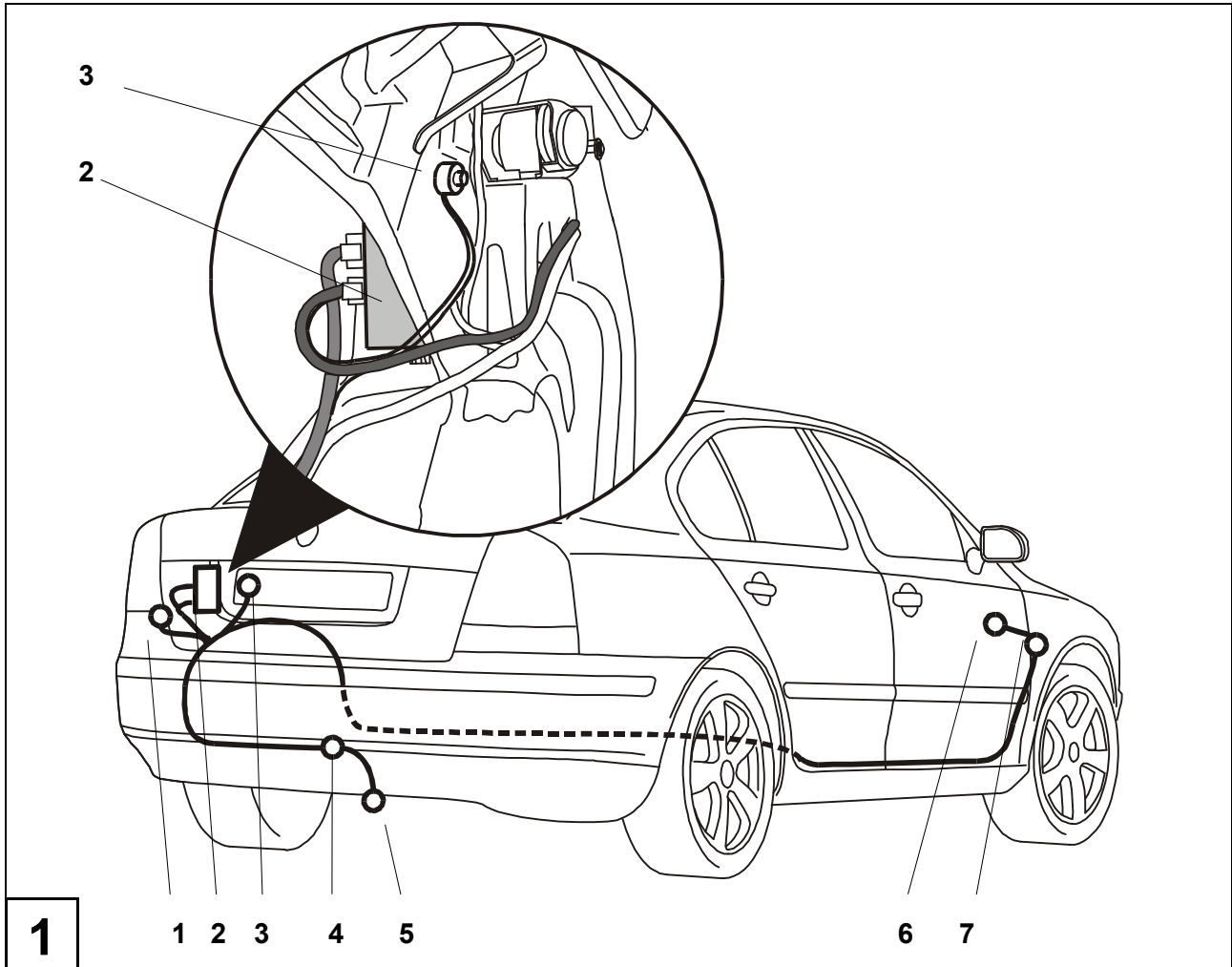
**Automotive**

Ⓒ GB

**Installation Instructions:**

**Electrical System for Towing Hitch..... 3**

Westfalia	Skoda	
317 056 300 153	ZGB 1Z0 055 204	Skoda Octavia II (1Z), 4x4, RS, RHD





## Installation Instructions: Electrical System for Towing Hitch

### Important notes

Read the installation manual prior to starting work.

The electrical kit should only be installed by qualified personnel.



#### **Caution – Disconnect the battery!**

Danger of damage to the vehicle's electronic system. Data which are stored electronically may get lost.

Read out the fault storage prior to starting work.

Use a closed-circuit current conservation unit if necessary.

#### **Note**

During installation special attention has to be paid to the following points:

- Cables must not be pinched or damaged.
- All sealing elements have to be installed properly.
- The socket gasket has to be positioned on the insulating sleeve and not on the individual wires.
- Lay the cables such that they do not rub on the vehicle and are not bent.
- Do not lay any cables near the exhaust system.

Failure of a trailer light (also direction indicator lamps, but not back-up light or rear fog lamp) is indicated by the light failure monitoring system on the combination instrument.

When a trailer is used, the rear fog lamp of the traction vehicle is deactivated.

In the case of trailers without rear fog lamp, a rear fog lamp has to be retrofitted.

A socket adapter may only be used in conjunction with a trailer. When the trailer is no longer used, remove the socket adapter.

Correct trailer operation has to be checked using a trailer or a test instrument with load resistors.

Subject to technical alterations!

## Installing the electrical kit

1. Disconnect the negative battery terminal.
2. If necessary, remove the following coverings and panels:
  - In the luggage trunk
    - Covering of luggage trunk bottom
    - Loading edge covering
    - Covering of the left side of the luggage trunk
  - On the right-hand side of the vehicle
    - Seats of the backseat bench
    - Access strips
    - Covering on the right of the steering column
    - Cover of the fuse carrier
3. Remove the vehicle's 40 mm hole cover on the left of the vehicle's centre in the rear end plate (Fig. 1/4).
4. Fix the trailer connection unit in the intended place on the left side above the wheel housing, using the enclosed plastic nuts (Fig. 1/2).
5. Lay the cable end with the 16-pin plug and the eyelet from the outside through the cable leadthrough to the trailer connection unit (Fig. 1/2).

## Installing the socket

Only for 13-pin trailer socket:

6. Lay the socket end of the cable set to the socket holder plate (Fig. 1/5).
7. Insert the rubber grommet into the cable leadthrough (Fig. 1/4).
8. Press the contact insert into the socket housing and push the rubber grommet towards the socket.
9. Screw the socket onto the holding plate (Fig. 1/5) using the supplied screws.

## Connecting the trailer connection unit

10. Insert the 16-fold connector housing into the intended slot of the trailer connection unit (Fig. 1/2) and let it lock into place.
11. Insert the 12-fold connector housing of the eight-core cable set into the intended slot of the trailer connection unit and let it lock into place.

## Installing the electrical kit

12. Connect the brown and brown/white wires with the eyelets to the vehicle's ground point (Fig. 1/3).
13. Lay the eight-core cable set over the left wheel case to a point in front of the rear seat bench, from there across to the right side and along the vehicle's cable harnesses / channels on the driver's side in the footwell up to the network control unit.
14. Unlock the following cables from the 12-pin plug (slot G on the network control unit) and insert them into the black 3-pin connector housing (on the cable harness):
  - The orange/brown wire from compartment 7 into compartment 1.
  - The orange/green wire from compartment 8 into compartment 3.
15. Insert the individual orange/brown and orange/green wires of the cable set into the now free compartments 7 and 8 of the 12-pin plug as indicated by the colours.
16. Close the locking mechanism and re-insert the plug into the network control unit.
17. Unlock the following wire from the 16-pin plug (slot E on the network control unit) and insert it into the white 3-pin connector housing:
  - The black/red wire from compartment 2 into compartment 2.
18. Insert the individual black/red wire of the cable harness into the now free compartment 2 of the 16-pin plug. Close the latch.
19. Insert the plug into the network control unit.
20. Fit the now open 3-pin black and white housings together.
21. >> **MY2006:** Push open the purple latch on the fuse carrier (Fig. 1/7). Take the fuse-protected black/grey (black/yellow) wire out of compartment 4 and insert it into the 1-pin housing on the cable set. Re-insert the individual black/blue wire of the cable set into compartment 4 of the fuse carrier. Insert the 5 A mini-fuse into fuse compartment 4.
22. Fit the now open 1-pin housings together.
23. **MY2006:** Push open the purple latch on the fuse carrier (Fig. 1/7). Insert the individual black/blue wire of the cable set into compartment 8 of the fuse carrier. Insert the supplied 5 A mini-fuse into fuse compartment 8.
24. **MY2007>>:** Push open the purple latch on the fuse carrier (Fig. 1/7). Insert the individual black/blue wire of the cable set into compartment 19 of the fuse carrier. Insert the supplied 5 A mini-fuse into fuse compartment 19.
25. Insert the following wires into the fuse-protected side of the fuse compartment.
  - The red wire into compartment 43.
  - The red/black wire into compartment 44.
  - The red/blue wire into compartment 45.

26. If the fuse compartments 43 - 45 on the vehicle are not equipped with terminal 30, the supplied cable adapter has to be installed.

Insert the wire ends as follows:

- The red wire into the still free slot of fuse 43
- The red/black wire into the still free slot of fuse 44.
- The red/blue wire into the still free slot of fuse 45.

Connect the triple-wire contact with the free contact of the fuse bridge of fuses 22-27 (>> **MY2006**), with the free contact of the fuse bridge of fuses 32-37 (**MY2007** >>). Close the purple latch on the fuse carrier.

27. Insert the supplied 15 A fuses into fuse compartments 43, 44 and 45.

28. Only for 13-pin trailer socket:

Using the 3-pin connector for the constant plus extension kit (Fig. 1/1), the functions "charging lead" and "ground for charging lead" can be retrofitted.

The constant plus extension kit is available from specialist shops under the part no. **ZGB 000 055 200W**.

### Checking correct operation

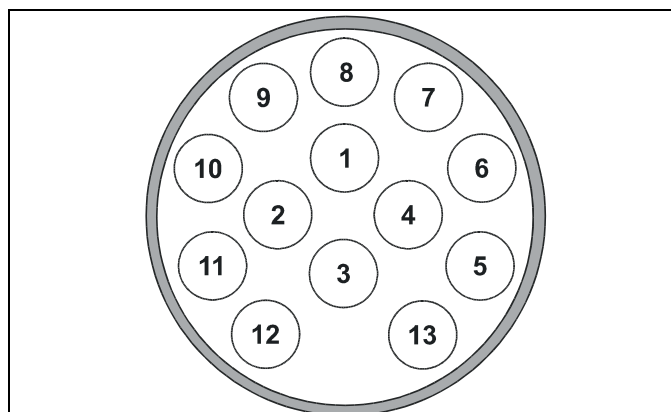
29. Reconnect the ground of the vehicle's battery.
30. The vehicle's gateway has to be coded using a service tester to extend its functionality to the use of a towing hitch as follows:
- 19 Diagnosis interface for data bus
  - Read/write long coding
  - 69 Trailer function (coding)



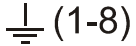





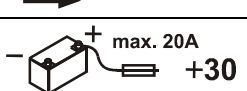
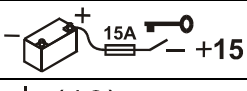
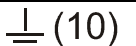

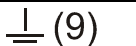
On vehicles equipped with a parking distance control, a service tester must be used to extend the functionality to the use of a towing hitch as follows:

- Address word „76“ Parking distance control.
- Select function „07“ Coding the control unit.
- Enter the value according to the coding table. Example 001xxxx.
- Function „06“ Exit output.

Finally, as at the beginning, perform a system request regarding the "Guided error location" and delete error codes if necessary.

31. Check the trailer function with the help of a suitable test instrument (with load resistors) or with the help of a trailer.
32. Secure all cables using cable ties.
33. Refit any parts removed for installation.



DIN 11446		GB
	1 (L)	black/ white
	2 (54g)	grey/blue
	3 (31)	brown
	4 (R)	black/ green
	5 (58-R)	gray/red
	6 (54)	black/red
	7 (58-L)	gray/ black
	8	black/ blue
	9	red
	10	yellow
	11	brown/ white
	12	--
	13	brown