

# Wiring-diagram

## Maintenance procedures:

1. Apply electrical contact grease to all contact surfaces, such as light bulb electrical contact surfaces, plug and socket connections, female connectors and electrical terminals. Clean where necessary so that surfaces with old verdigris are polished, after which they should be coated with a good quality electrical contact grease.
2. Do not expose lighting to unnecessary and excessive force from high pressure washing or similar. If this does happen, remove the lens and wipe the inside of the light fitting completely dry. Well greased surfaces reduce the risk of open circuits.
3. Take care of plugs so that they do not lie in gravel, and so that rain cannot enter the connections. Use a plug connector holder.
4. Always keep a spare set of light bulbs, electrical plugs, fuses, electrical contact grease, an electrical screwdriver and a connection diagram ready for your trip.
5. Always invest in high quality light bulbs for your trailer.

## Common faults:

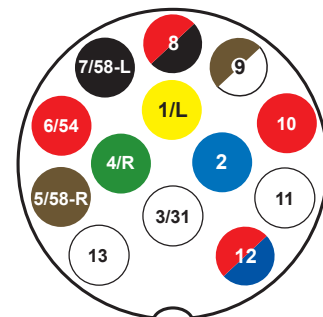
- A. Check the fuses, if a fuse blows again after replacement, check for a short circuit somewhere.
- B. Dismantle plugs to see if the wiring is properly secured inside the plug (often comes loose if you pull out a plug by its electrical cable).
- C. Use a small screwdriver or a knife to open out the pins in a plug, and apply electrical contact grease. Replace plugs as necessary.
- D. Check female connectors, clean, grease and replace as necessary.
- E. In the case of an earth fault, the electrical system often goes wild and flashes intermittently, so check that all earth connections are making good contact, replacing terminals as necessary and applying electrical contact grease.

## Recommended connection diagram

For 7-way/13-way connection plugs as standard. On certain plugs there is an extra connection. This is no. 8 on the 7-way and no. 2a on the 13-way connection, which is intended for automatically disconnecting the rear fog light(s) on the car and transferring it/ them to the trailer.

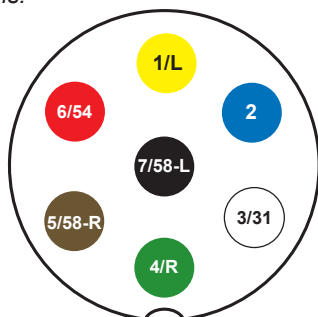
These Wiring-diagrams show the connections on the car.

Valeryd are not responsible for damage caused by faulty electrical installations.



**DIN/ISO 11446 13-way**

←	1/L	Left hand indicator (yellow)
🚗 (f)	2	Fog lamp (blue)
(f) → (f)	2a	(grey)
⏚ 1-8	3/31	Earth/common return (white)
➡	4/R	Right hand indicator (green)
🚗 (f)	5/58-R	Right hand tail lamps (brown)
STOP	6/54	Stop lamps (red)
🚗 (f)	7/58-L	Left hand tail lamps (black)
🚗 (f)	8	Reverse lamps (black/red)
🔋	9	Battery supply (brown/ white)
🔑	10	Ignition switched supply (red)
⏚ 10	11	Earth/common return (white)
🚗	12	Trailer recognition (red/blue)
⏚ 9	13	Earth/common return (white)



**ISO 1724 7-way**

←	1/L	Left hand indicator (yellow)
🚗 (f)	2	Fog lamp (blue)
⏚ 1-7	3/31	Earth/common return (white)
➡	4/R	Right hand indicator (green)
🚗 (f)	5/58-R	Right hand tail lamps (brown)
STOP	6/54	Stop lamps (red)
🚗 (f)	7/58-L	Left hand tail lamps (black)
(f) → (f)	8	(grey)

# VALERYD

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Complete lighting kit with lamps, main electrical cable, smart cable with connectors, securing clips, pliers and plastic ties.

#### User instructions:

Start by securing the cable from the plug (1). Surplus cable can be secured beneath the chassis (2).

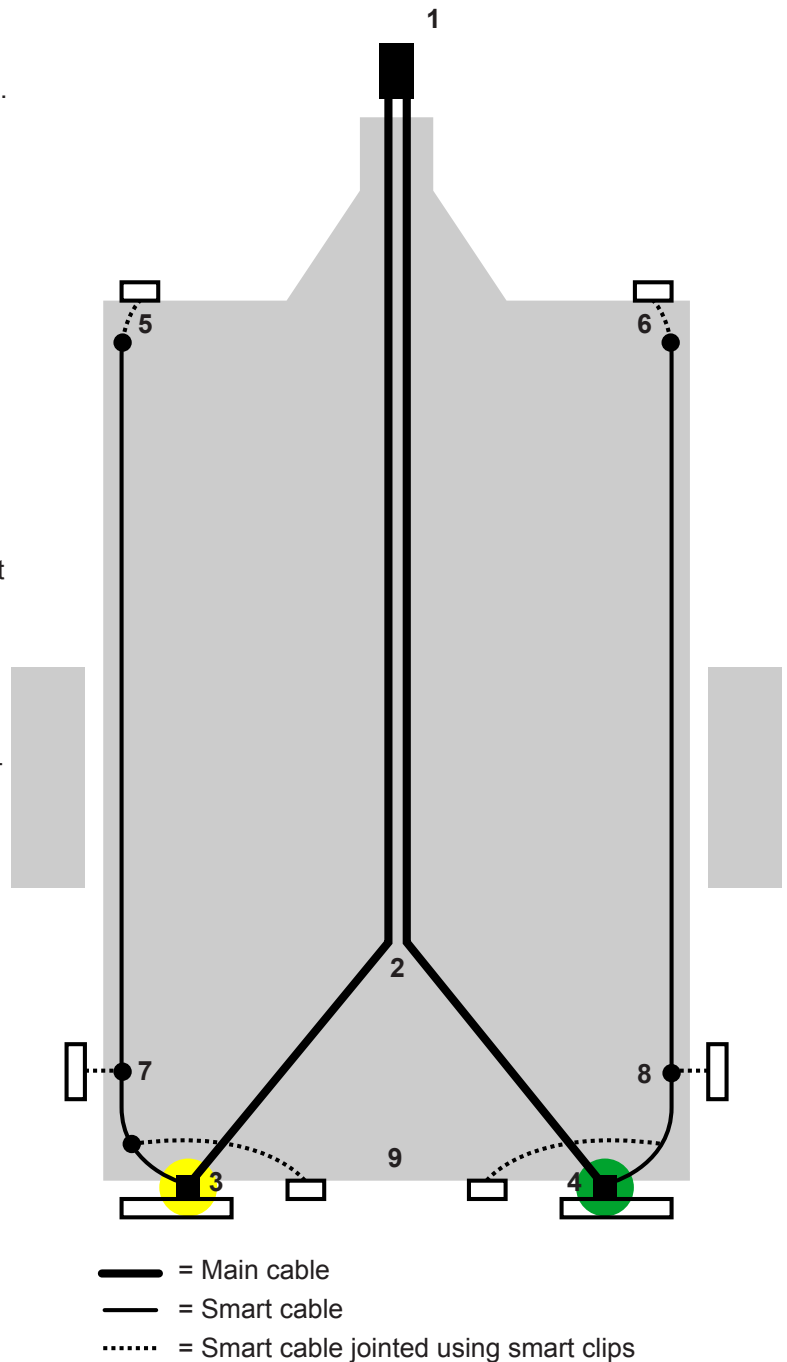
Connect the two bayonet connections to the rear lights. Yellow = left (3) and green = right (4).

Smart cables lead out from the bayonet connections. Run these forward to the position lights that are secured at the front of the trailer (5 and 6).

To install the side lights (7 and 8) use the smart cables, that are jointed by means of smart clips and the smart clip pliers to the long smart cables. The registration plate light (9) and any other lighting that may be required are jointed in the same way.

#### Important:

- Do not make any joints to the main cable!
- Disconnect any direct chassis grounding, which is common on older trailers.



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