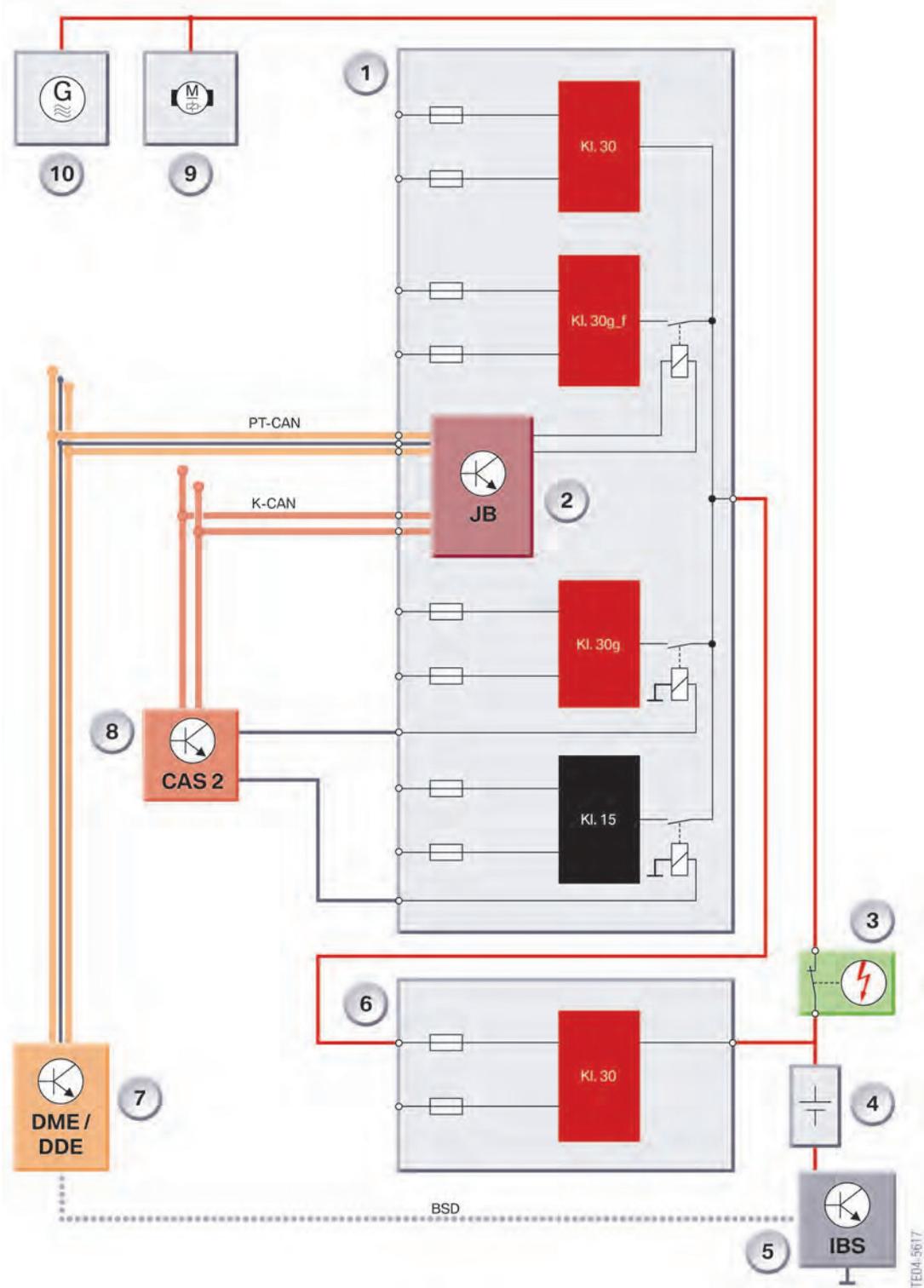


E87 block diagram



Index	Explanation	Index	Explanation
1	Front power distribution box	8	CAS (Car Access System)
2	Junction box	9	Starter
3	Safety battery terminal	10	Alternator
4	Battery	Kl. 30	Continuous positive
5	IBS (Intelligent Battery Sensor)	Kl. 30g_f	Switched positive, fault-dependent
6	Rear power distribution box	Kl. 30g	Switched positive, time-dependent
7	DME/DDE (Digital Motor Electronics/Digital Diesel Electronics)	Kl. 15	Ignition

Junction box

Installation location, junction box



10 - Installation location, junction box

In the E87 the junction box is installed behind the glovebox beneath the instrument panel.

The PCBs on the inside of the junction box are equipped with different PCBs corresponding to the optional extras installed. In the bottom section of the junction box there is an opening which connects the junction box control unit to

the electrical part of the junction box and the vehicle wiring harness. The fuses are located in the middle area of the junction box. The various relays are located in the left and right areas.

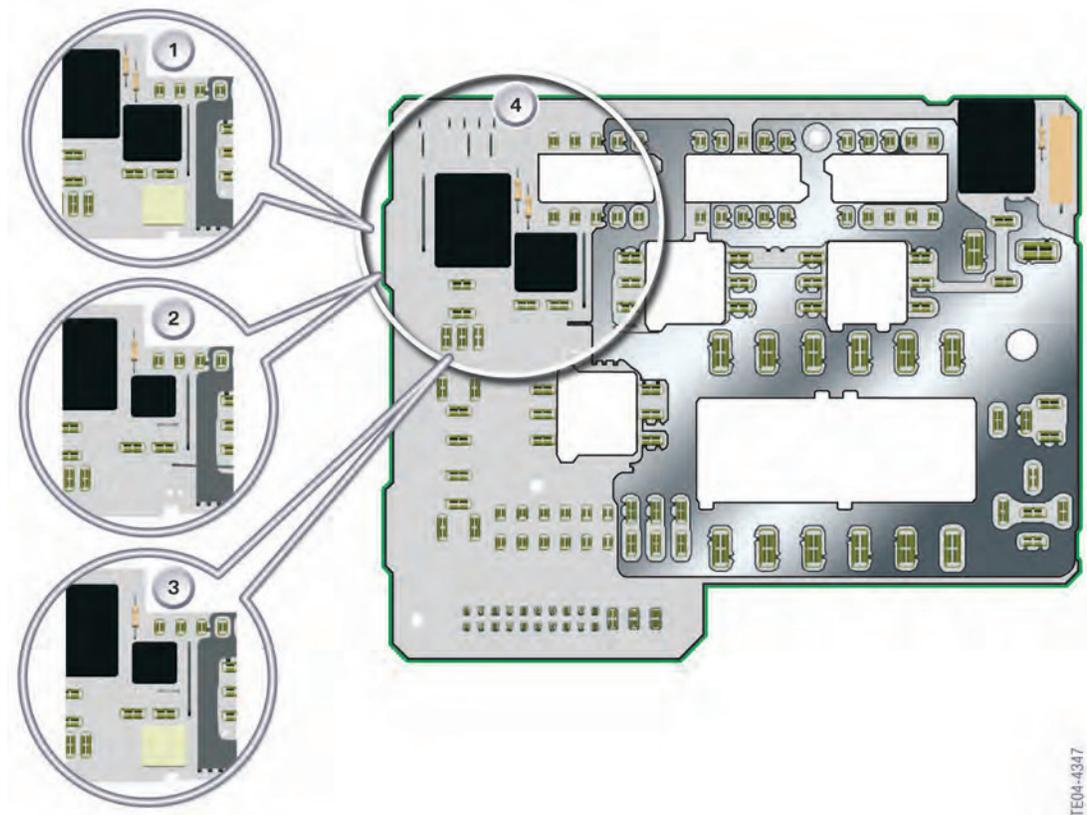
PCB in different variants

Different soldered relays are used in the glovebox fuse carrier corresponding to the equipment and engine specification.

The el. fuel pump/fanfare horn double relay is not installed in all engine variants. In M47TU2

engines the relay is not used to activate the electric fuel pump.

In this case, only one relay is used for the fanfare horn.



12 - Variant configuration, junction box

Index	Explanation
1	Wiper stage 2, double relay (fanfare horn and el. fuel pump), term. 30g_f
2	Wiper stage 2, single relay for fanfare horn
3	Wiper stage 2, single relay for fanfare horn, term. 30g_f
4	Wiper stage 2, double relay (fanfare horn and el. fuel pump)
5	Terminal 15 relay
6	Openings for wiring harness connectors