

Subsequent Installation of Engine Compartment Light

Job No.
82 — 18

(Optional, KW 5786/2)

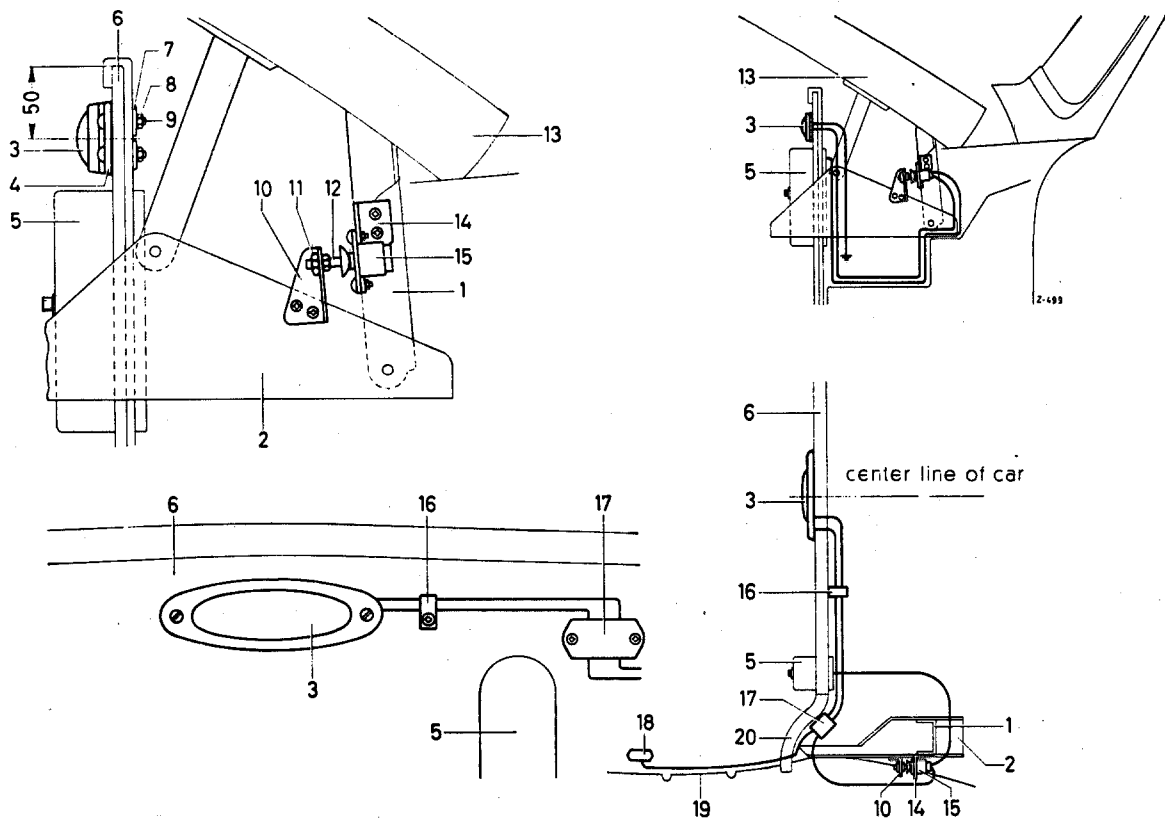


Fig. 82 — 18/1

- | | |
|---|---|
| 1 Arm of hood hinge | 11 Lock nut |
| 2 Arm of hood hinge | 12 Adjusting screw |
| 3 Engine compartment light | 13 Hood |
| 4 Base plate with lamp holder of engine compartment light | 14 Mounting bracket |
| 5 Fuse box | 15 Contact switch |
| 6 Center engine compartment panel | 16 Fixing clip |
| 7 Backing washer | 17 Cable connector, two-way |
| 8 Hexagon nut | 18 Cable connector for left blower at wheel arch assembly |
| 9 Button-head screw | 19 Wheel arch assembly |
| 10 Adjusting bracket | 20 Left engine compartment panel |

1. Disconnect the ground cable at the negative terminal of the battery.
2. Screw the contact switch (15) with the two button-head screws AM 3×8 DIN 7986, with lock washers and hexagon nuts, onto the mounting bracket (14) (see Fig. 82 — 18/1).
3. Screw the contact switch (15) with the mounting bracket (14) onto the arm (1), and

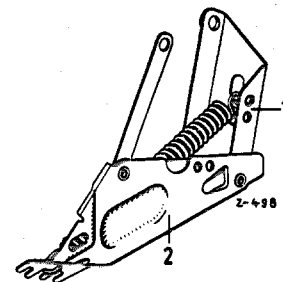


Fig. 82 — 18/2

- 1 Arm of hood hinge 2 Arm of hood hinge

then screw the adjusting bracket (10) with the adjusting screw (12) and the lock nut (11) onto the arm (2) of the hood hinge, using 2 button-head screws AM 4 × 10 DIN 7986 with lock washers and hexagon nuts (the holes for fixing are already bored in the hood hinge) (Fig. 82 — 18/1 and Fig. 82 — 18/2).

4. Unscrew the cover of the engine compartment light (3).

Hold the base plate (4) with the lamp holder of the engine compartment light, according to the dimensions given, against the center engine compartment panel (6) see Fig. 82 — 18/1) and mark the bores for the wiring and for fixing the engine compartment light.

5. Bore out the four 3.5 mm diameter holes for fixing the engine compartment light and the 6 mm diameter wiring hole.
6. Screw the engine compartment light (3) onto the center engine compartment panel (6), using the four button-head screws (9) 3 × 20 DIN 7986 with backing washers (7) and hexagon nuts (8).
7. Hold the cable connector (17) against the left engine compartment panel (20) (see Fig. 82 — 18/1) and mark the holes for fixing the cable connector and drill them out to 4.5 mm diameter.
8. Screw the cable connector (17) to the left engine compartment panel, using 2 oval-head screws AM 4 × 20 DIN 7985 with backing washers, washers 4.3 DIN 125 and hexagon nuts.
9. Solder a spade terminal 4 × 0.8 N 261 on both ends of the cable A 1 DIN 72551 — 900 mm long, and also on one end of the cable A 1 DIN 72551 — 800 mm long.
10. Pull the insulation sleeve B 4 × 5 sw DIN 40621, 700 mm long, over the cable A 1 DIN 72551, 800 mm long. Connect the cable

with the spade terminal to Fuse No. 1 (Terminal 30) of the fuse box (5), and its other end to the contact switch (15).

11. Pull the insulation sleeve B 8 × 9.4 sw DIN 40621, 800 mm long, over the cable A 1 DIN 72551, 900 mm long, and connect the cable with the two spade terminals in such a way that one end is fixed under a fixing screw (9) of the base plate and the other end to the cable connector (18) for the blower at the left wheel arch assembly.
12. Pull an insulation sleeve B 4 × 5 sw DIN 40621, 900 mm long, over the cable 4 1 DIN 72551, 910 mm long, and connect one end to the contact switch (15) and the other to the lamp holder of the engine compartment light.
13. Nip off the cables at the point where the new cable connector (17) has been fitted, but leaving them long enough to be connected to the cable connector.
14. Solder spade terminals to each of the four nipped-off ends of the cables. Push one insulation sleeve B 8 × 9.4 sw DIN 40621 over the two cables running from the cable connector (17) to the engine compartment light (3) and connect the cables to the cable connector (17).
15. Fix the two cables to the center engine compartment panel with the fixing clip (16), using an oval-head screw AM 4 × 15 DIN 7985 with backing washer and hexagon nut; drill the bore 4.5 mm in diameter.
16. Put in the 12 Volt 5 Watt lamp and screw the cover of the engine compartment light (3) onto the base plate (4).
17. Connect the ground cable to the negative terminal of the battery.
18. Check over the whole installation, making sure that the engine compartment light (3) switches off. If necessary, readjust the adjusting screw (12) at the adjusting bracket (see Fig. 82 — 18/1).

List of Parts:

Number	Designation	Part No.
1	Light without bulb	30 136 825 00 02
1	Bulb L 12 V 5 W	DIN 72601
4	Button-head screw	3 × 20 DIN 7986
4	Hexagon nut	M 3 DIN 934
7	Backing washer	000 984 11 55
1	Contact switch	000 826 02 08
1	Mounting bracket (for contact switch)	10 120 825 00 12
2	Button-head screw	AM 3 × 8 DIN 7986
2	Lock washer	B 3 DIN 127
2	Hexagon nut	M 3 DIN 934
4	Button-head screw	AM 4 × 10 DIN 7986
4	Lock washer	B 4 DIN 127
4	Hexagon nut	M 4 DIN 934
1	Adjusting bracket with adjusting screw and lock nut	10 120 820 00 14
1	Cable connector, two-way	000 546 18 41
2	Oval-head screw	AM 4 × 20 DIN 7985
2	Washer	4.3 DIN 125
3	Hexagon nut	M 4 DIN 934
1	Fixing clip for cables	000 984 11 55
1	Oval-head screw	AM 4 × 15 DIN 7985
1	Electric cable	A 1 DIN 72551 — 800 l.
1	Electric cable	A 1 DIN 72551 — 910 l.
1	Electric cable	A 1 DIN 72551 — 900 l.
1	Insulation sleeve	B 4 × 5 sw. DIN 40621, 790 l.
1	Insulation sleeve	B 4 × 5 sw. DIN 40621, 900 l.
1	Insulation sleeve	B 8 × 9.4 sw. DIN 40621, 800 l.
6	Spade terminal	4 × 0.8 N 261