

A. Subsequent Installation of Windshield Washer with Hand Pump (Optional Extra, SA 1440 — 120)

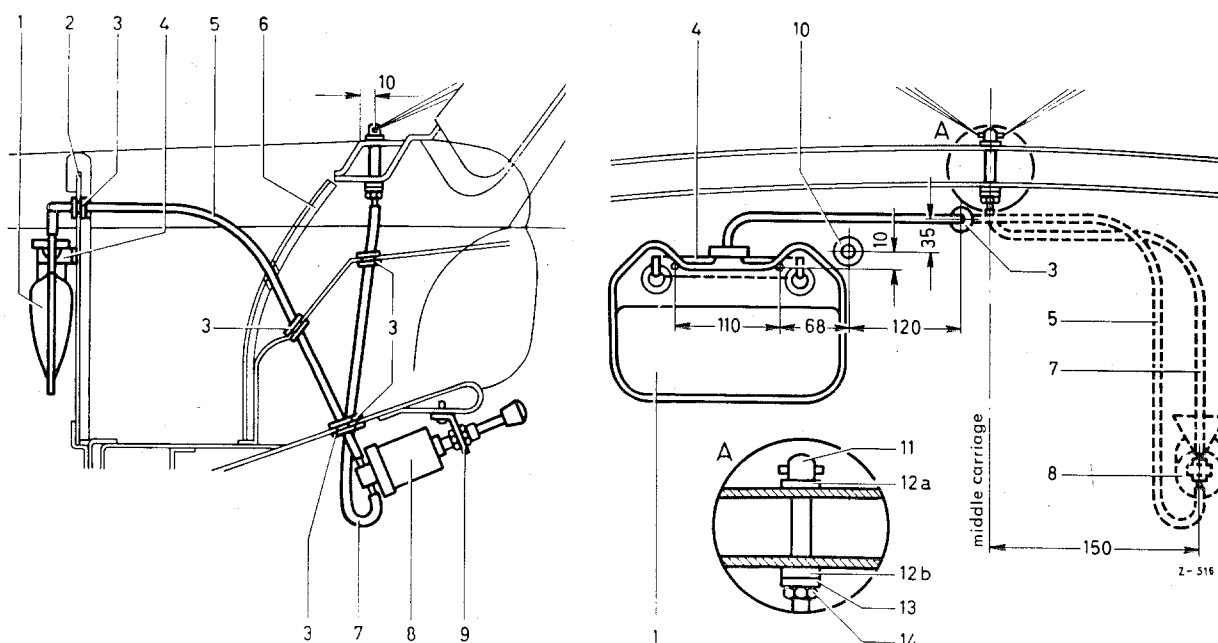


Fig. 67 — 5/1

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| 1 Water reservoir | 9 Bracket for hand pump |
| 2 Right engine compartment panel | 10 Battery cable opening in right engine compartment panel |
| 3 Rubber grommet | 11 Spray nozzle |
| 4 Bracket for water reservoir | 12a Rubber washer, top, with cup |
| 5 Water hose from water reservoir to hand pump | 12b Rubber washer, bottom |
| 6 Insulating panel (cardboard) | 13 Cup |
| 7 Water hose from hand pump to spray nozzle | 14 Hexagon nut |
| 8 Hand pump | |

1. Remove the upper center cowl insulating panel (6). In accordance with the specified locating dimensions, drill a 9.5 mm ϕ hole in the center line of the car for the installation of the spray nozzle. Deburr the hole (see Fig. 67 — 5/1).
2. Remove the clock (see Job No. 54 — 12). Slide the rubber washer (12a) and chromium-plated cup onto the spray nozzle and insert the spray nozzle (11). Slide on the rubber washer (12b), the cup (13), and screw on the hexagon nut (14). Then push on the water hose (7).

Note: The spray nozzle is tightened through the aperture for the clock.

3. Drill the 15 mm ϕ holes required for the installation of the water hoses, i.e. one hole in the engine compartment center panel, and 4 holes in the cowl; deburr the holes and install a rubber grommet (3) in each hole (see Fig. 67 — 5/1).

Apply a little tallow to the rubber grommets before installing. Then either drill or stamp a 12 mm ϕ hole in the insulating panel (6).

4. In accordance with the specified dimensions, mark the 2 fixing holes for the bracket (4) of the water reservoir on the right engine compartment panel (see Fig. 67 — 5/1) and drill them with a 5.5 mm ϕ drill.

Note: On cars with right-hand drive, the position of the water reservoir (1) is reversed and the hand pump (8) must be arranged according to the space available.

5. Screw the bracket (4) to the engine compartment panel (2) by means of the 2 oval-head screws AM 5 × 12 DIN 7985 together with lock washers and hexagon nuts, and place the water reservoir in the bracket.
6. Hold the bracket (9) for the hand pump (8) against the reinforcement plate under the instrument panel approx. 150 mm to the left of the car center line (see Fig. 67 — 5/1), mark the 2 holes for the cheese-head tapping screws, and drill the holes to 3.4 mm ϕ .
7. Screw the bracket (9) for the pump to the instrument panel by means of the 2 cheese-head tapping screws Z 4.2 × 16 DIN 7871.
8. Place the hand pump (8) in the bracket (9) and fix it by tightening the hexagon nut.
9. Install the water hose (5) from the water reservoir (1) to the hand pump and the water hose (7) from the hand pump (8) to the spray nozzle (11) and connect them up (see Fig. 67 — 5/1).
10. Reinstall the upper center cowl insulating panel.

11. Reinstall the clock (see Job No. 54 — 12).

12. Dilute 1 part of the Mercedes Benz Windshield Cleaning Fluid with 12 parts of water and mix thoroughly.

Pour this solution into the water reservoir (1) (water reservoir capacity approx. 0.75 liters).

Note: In winter the reservoir of the windshield washer should be filled with the following mixture:

1 part Mercedes Benz Windshield Cleaning Fluid diluted in 6 parts of water and mixed well. This mixture does not freeze at temperatures down to —9° C.

Even smeared greasy windshields can be satisfactorily cleaned with this solution.

Caution! The concentration should be as specified, since higher concentrations will attack the car finish.

13. Check the proper functioning of the windshield washer system.

Adjust the spray nozzles by means of a screw driver till the water jet strikes approximately the center of the windshield.

After adjustment, lock the spray nozzles by means of the knurled nuts.

List of Available Parts:

Number	Designation	Part No.
1	Windshield washer, consisting of:	10 180 860 00 90
1	hand pump, water reservoir, spray nozzle and water hoses	
1	Bracket for the hand pump	10 120 869 00 14
2	Cheese-head tapping screw	Z 4.2 × 16 DIN 7971
1	Bracket for water reservoir	40 121 869 00 32
2	Oval-head screw	AM 5 × 12 DIN 7985
2	Lock washer	B 5 DIN 127
2	Hexagon nut	M 5 DIN 934
5	Rubber grommet	000 997 21 81
The whole kit can be ordered from our works under order No. 10 180 860 99 90.		