

Disassembly and Reassembly of the Heat Exchanger Regulating Valve

Job No.

83—2

Jammed or leaky regulating valves should be disassembled. Before disassembling jammed valves, try to free them up by spraying with kerosene or penetrating oil (Caramba).

Disassembly:

1. Unscrew the fixing screw of the actuating lever at the regulating valve. Mark the position of the actuating lever and remove the lever.
2. Mark the position of the stop disk (1) and press or carefully knock the plug (3) in as far as is necessary to remove the stop disk (1) (Fig. 83—2/1).
3. Pull the stop disk (1) out through the slot in the housing.

Note: The stop disk (1) limits the regulating range and at the same time serves as an end locking device for the plug (Fig. 83—2/1).

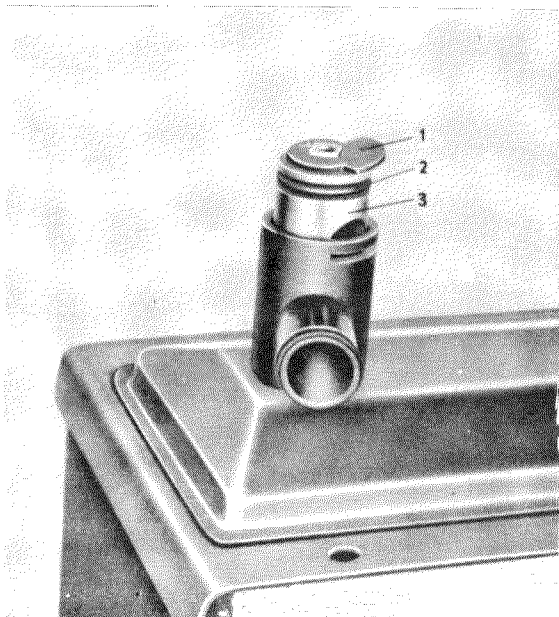


Fig. 83—2/1

- 1 Stop disk
- 2 Rubber seal
- 3 Plug

4. Then pull out the plug together with the seal, using a suitable puller (Fig. 83—2/2).

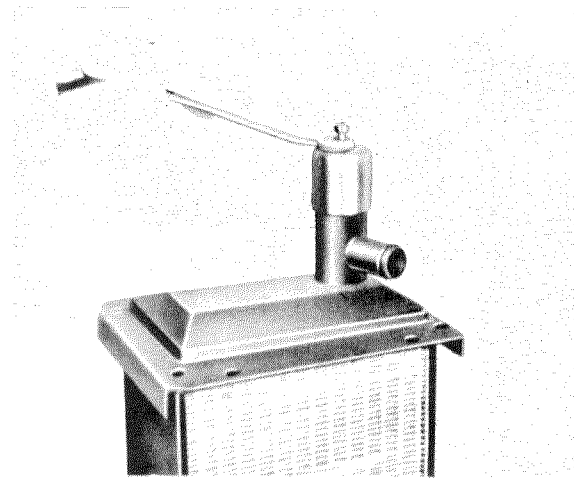


Fig. 83—2/2

5. Carefully remove the dirt from the plug and housing by means of an oil stone.

Do not use a scraper or emery cloth, since this will increase the clearance between plug and housing beyond the permissible limit, which would allow the cooling water to penetrate between plug and housing even when the heating system is shut off and which would produce an undesirable heating up of the air in summer.

Reassembly:

6. Insert a new rubber seal (2) in the plug (3) (see Fig. 83—2/1).
7. Grease the plug with Molykote Paste Type G produced by Messrs. Krauß, Weiß and Co., Munich.

8. Then press the plug (3) – with the opening pointing toward the feed pipe – into the housing as far as is necessary to push the stop disk (1) through the slot in the housing. Pay attention to the marks made during removal.
9. Install the actuating lever, paying attention to the marks made during removal.
10. Screw in the fixing screw with lock washer and washer, and tighten it.
11. Check whether the regulating valve moves easily and is fitted properly.

Note: It is advisable to operate the regulating valves from time to time even during the hot season in order to prevent jamming of the valves.