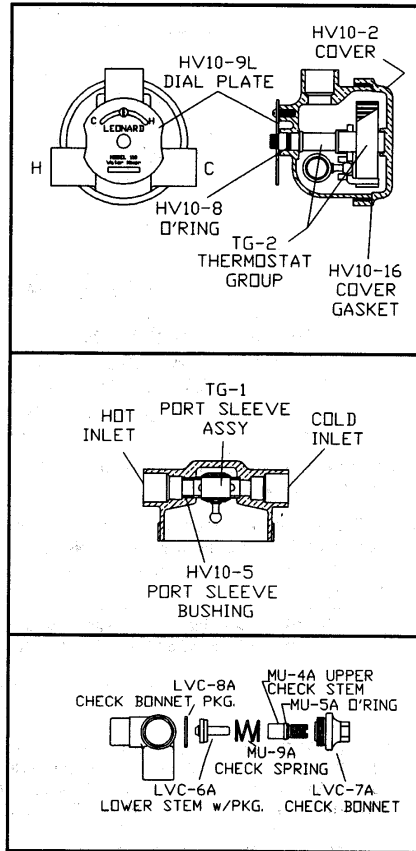




INSTRUCTIONS FOR CLEANING AND SERVICING

1. Turn off hot and cold supplies to this valve.
2. Carefully remove valve cover (HV10-2), which is threaded on rear of valve body. Do not misplace HV10-16 cover gasket.
3. Remove TG-2 Thermostatic group and if deposits are evident on the coils, submerge in a mild non-corrosive cleaning solution.
4. If the port sleeve assembly's (TG-1) thimble does not move freely, move the thimble back and forth by hand to dislodge any deposits.
5. To remove the TG-1 port sleeve assembly, break the hot and cold inlet connections. Remove valve cover (HV10-2) and TG-2 thermostat group. Force the port sleeve assembly out from the COLD through the HOT inlet using a hammer and a small screwdriver. Reinstall HV10-5 Port Sleeve Bushing on Hot inlet when reassembling.
6. When reassembling, make certain the driving ball on the thimble (TG-1) engages the hole in the bracket of the TG-2 Thermostat group.
7. Make certain the HV10-16 cover gasket is in place when reassembling the valve cover (HV10-2).
8. See instructions " To reset high maximum temperature limit" on reverse side of this Bulletin, Water temperature should not be greater than 110°F. HOT WATER IN EXCESS OF 110°F IS DANGEROUS.



REMEMBER! THIS IS A CONTROL DEVICE WHICH MUST BE CLEANED AND MAINTAINED ON A REGULAR BASIS.(SEE MAINTENANCE GUIDE AND RECORD, MGR-1000).

To order items on this page — full catalog number requires prefix

HANDBOOK TECH SHEET

INSTRUCTIONS FOR DISMANTLING VALVE

1. Shut off hot and cold supplies to valve (and remove flange on concealed type valves.)
2. Remove Pointer Rod CAP, SCREW and WASHER, FRICTION SPRING, and POINTER.
3. Remove the 6 COVER SCREWS, then take off cover to which the Thermostat and Gears are attached.

WHEN RE-ASSEMBLING VALVE, insert new Flange Packing in base; replace COVER, tightening COVER SCREWS in rotation; put FRICTION SPRING in place; then replace POINTER and Pointer Rod SCREW, WASHER and CAP.

After installing new parts, it will probably be necessary to reset Pointer to obtain correct temperature range from Cold to Hot. See page 2, instructions "TO RESET ADJUSTABLE TEMPERATURE LIMIT STOP."

TO CLEAN PORT SLEEVE ASSEMBLY

Failure to properly blend the water may be caused by a sticking condition in the PORT SLEEVE ASSEMBLY. The THIMBLE should slide freely on the PORT SLEEVE.

1. If a deposit of lime or sediment prevents free movement, use a nail set or other tapered tool to unscrew the CHECK NUT as far as it will go, then screw the PORT SLEEVE NUT into the base. This will release the PORT SLEEVE and THIMBLE so they can be lifted out.
2. Clean with A NON-CORROSIVE CLEANING AGENT AND SOFT CLOTH - DO NOT USE ABRASIVES - then wash parts thoroughly, wipe with a dry cloth and re-assemble. The PORT SLEEVE should be assembled with the shoulder to the left. Tighten PORT SLEEVE NUT against end of PORT SLEEVE but be careful not to cramp sleeve in place. Tighten CHECK NUT.
3. When replacing front be sure DRIVING BALL is inserted in Ball Socket as shown in Photo #1.



TO REPLACE POINTER ROD WITH GEAR

1. Remove COVER with parts attached from the front of valve.
2. Remove POINTER ROD SNAP CAP, SCREW, WASHER, POINTER, and FRICTION SPRING.
3. Remove COIL SLEEVE STUD and take off THERMOSTAT GROUP.
4. Replace POINTER ROD with GEAR and re-assemble.

TO REPLACE (OR CLEAN) THERMOSTAT GROUP

Follow instruction for replacing POINTER ROD with GEAR above. If a deposit has collected on the Thermostatic Coil, clean it off with a brush in a non-corrosive grit-free cleaning solution.

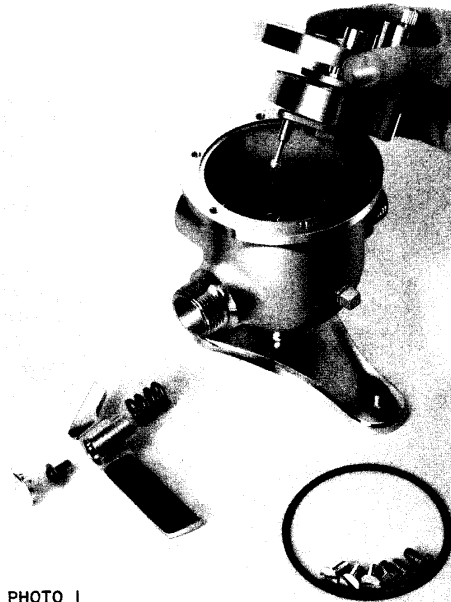


PHOTO 1

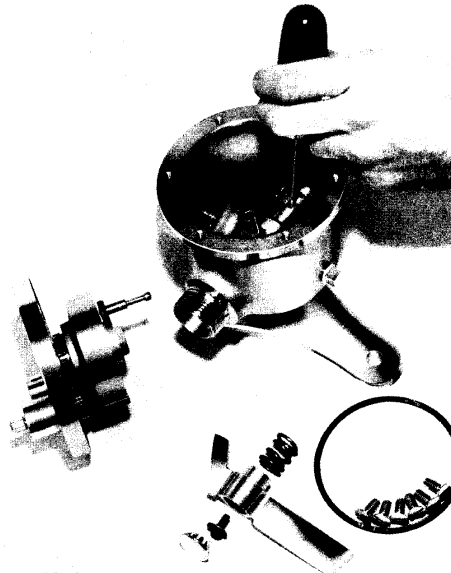


PHOTO 2