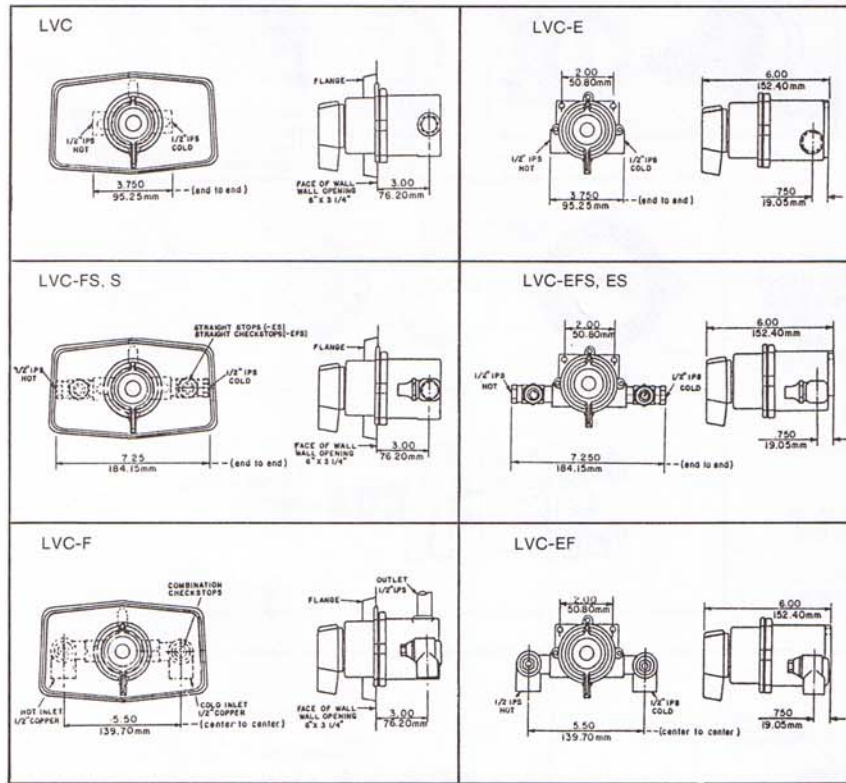


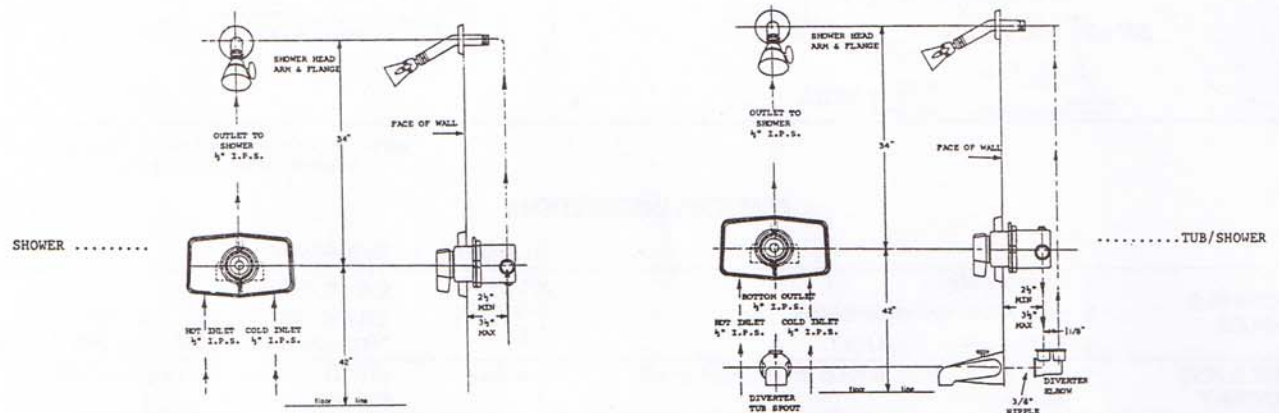
**LVC**

**INSTALLATION INSTRUCTIONS**



1. Valve **MUST NOT** be sealed in wall with plaster or tile. Cover screws and inlet fittings must be accessible for servicing. **DO NOT** remove plaster mask attached to valve unless absolutely necessary; if removed, replace mask after making connections.
2. While lead, pipe cement, or solder flux must be used sparingly. After connections are made to the valve, flush pipes thoroughly to remove dirt and excess materials which might become lodged on the working parts of the valve.
3. **IMPORTANT!** This valve is designed for top or bottom outlet **BUT NOT BOTH**. When used for showers, the top outlet only is used and the pipe plug is left in the bottom outlet.  
When installed for use with shower **AND** tub:  
  - a. Remove the pipe plug from the bottom outlet.
  - b. Place the pipe plug in the top outlet.
  - c. Pipe down from the bottom outlet to the **forward** opening on the twin elbow.
  - d. Pipe up to the shower from the **rear** opening on the twin elbow.

To protect chrome parts and interiors from damage during construction, see reverse side.



**LIMITED WARRANTY**

Leonard Valve Company warrants the original purchaser that products manufactured by them (not by others) will be free from defects in materials and workmanship under normal conditions of use, when properly installed and maintained in accordance with Leonard Valve Company's instructions, for a period of one year from date of shipment. During this period the Leonard Valve Company will at its option repair or replace any product, or part thereof, which shall be returned to the Leonard factory and determined by Leonard to be defective. There are no warranties, express or implied, which extend beyond the description contained herein. In no event will Leonard be liable for labor or consequential damages.

**CLAIMS**

No claim will be considered unless presented in writing within 60 days after receipt of goods.

No claim will be allowed for products damaged during or after installation, or in transit, and expenses incurred with claims for which Leonard is not liable and may be charged to the buyer.

# INSTRUCTIONS FOR CLEANING AND SERVICING

TO PROTECT CHROME PLATING AND INTERIOR PARTS FROM DAMAGE DURING CONSTRUCTION. After plumbing connections have been made and before water is turned on, the following procedure is recommended for valves which are installed with inlet checkstops:

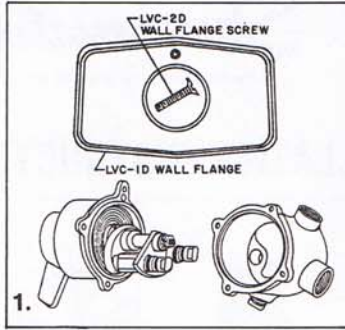
1. Turn off screwdriver checkstops.
2. Remove entire thermostatic control assembly (see Dwg. 1).
3. Store the assembly in a container with the other chrome plated parts until plastering and tile work have been completed and the job is ready to be finished.
4. Flush out the base to remove foreign matter which could clog the valve.
5. Reinstall unit in the base (be sure cover gasket is in place) open checkstops, turn valve on, run it at various temperatures to be certain it is operating freely. Attach wall flange.

**Remember! This is a control device which must be cleaned and maintained on a regular basis, depending upon water conditions and usage.**

**WARNING! THIS MIXING VALVE IS EQUIPPED WITH AN ADJUSTABLE HIGH TEMPERATURE LIMIT STOP FACTORY SET AT APPROXIMATELY 110°F (43°C) WITH AN INCOMING HOT WATER SUPPLY TEMPERATURE OF 135°F (57°C). IF INCOMING HOT WATER ON THE JOB IS HIGHER (OR LOWER) THAN 135°F, THE VALVE WHEN TURNED TO FULL HOT MAY DELIVER WATER IN EXCESS OF (OR LOWER THAN) 110°F, AND THE HIGH TEMPERATURE LIMIT STOP MUST BE RESET BY THE INSTALLER (SEE BELOW).**

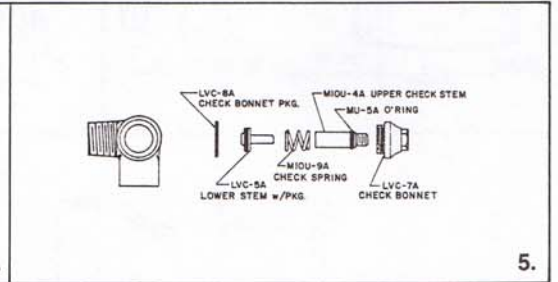
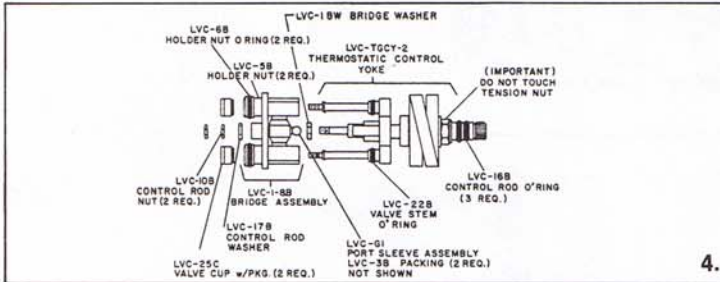
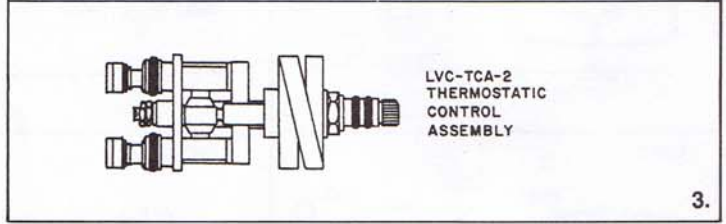
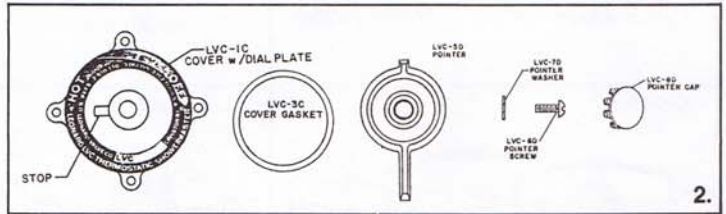
## TO RESET HIGH TEMPERATURE LIMIT STOP (DWG.2)

1. Turn pointer to the left or right until valve is delivering the highest desired temperature of 110°F.
2. Remove pointer from spline.
3. Replace pointer on the spline with the stop, which is cast on the underside of the pointer resting against the TOP side of the stop which is cast on the cover.
4. If properly adjusted, the pointer should now move fully from a point just under the red arrow at "HOT" clockwise to a point just under the blue arrow at "OFF".



## TO CLEAN LVC AFTER OPERATION:

1. Turn off hot and cold supplies (using the inlet checkstops, if furnished).
2. Remove wall flange screw, wall flange, cover screw (Parts MU-2C, not shown) and release entire thermostatic control assembly, (see Dwg. 1). Unless it is desired to completely disassemble the valve, do NOT remove snap cap, screw, washer, pointer and cover.
3. To clean, submerge in clear warm water, use fine steel wool if necessary to remove deposit or stain. A mild solution of household ammonia or non-corrosive cleaning solution is helpful in removing stubborn deposits. Rinse, move pointer on front of valve to see that inlet valve open and close vertically (LVC-25C, DWG. 3) and thimble moves freely on port sleeve (LVC-G1, DWG.4). Place cover gasket in recess provided, return assembly to valve base and tighten cover screws.
4. To order entire thermostatic control assembly (less pointer and cover) specify LVC-TCA-2. This factory tested unit consists of all working parts and when installed will provide new valve performance.



NOTE! WHEN ORDERING ANY PARTS, PROVIDE SERIAL NUMBER STAMPED ON DIAL PLATE.

## SERVICING INSTRUCTIONS

	Kit Required	Parts Included:
<b>PACKINGS &amp; GASKETS</b>	KIT 1/LVC (see DWGs 2 & 4)	LVC-3C, 2 each: LVC-6B, 22B, 27B, 25C*, LVC-16B *Replaces LVC-23B, 24B, 25B, 28B, & 29B
<b>PORT SLEEVE ASSEMBLY</b>	(see Dwg. 4)	LVC-G1, MU-3B (2 req) (or LVC-1-8B) plus packings noted
<b>THERMOSTAT GROUP</b>	KIT R/LVC (see Dwg. 3)	LVC-TGCY-2 or LVC-TCA-2 NOTE: DO NOT TOUCH TENSION NUT LOCATED BELOW LVC-16B O RINGS
<b>CHECKSTOPS</b>	KIT 4/LVC (see Dwg. 5)	2 each: LVC-8A, 6A, MU-5A, MIOU-9A