

3. Reassemble the piston, rod, rocker arm, pins, pushrod, tappet, etc., in their original positions. Engine parts are mated after running the engine and they must be reassembled as close as possible to their original position.

4. Assemble the engine, reversing the criss-cross pattern used in the disassembly. Prior to tightening each of the screws, apply a drop of oil to prevent thread damage.

Normal engine maintenance, such as adjusting the valves or carburetor maintenance, is permissible without voiding the warranty. **If you have any questions concerning maintenance procedures, please contact the Saito Service Center at (217) 355-9511.** Our technicians will be happy to advise you on maintenance issues.

## Valve/Tappet Gap Adjustment

After approximately one hour of operation, tappet gap adjustment may be necessary. When you check the valves, lubricate the moveable parts. Also make sure the screw is in tight before making adjustments to valves. Adjust the valves to a clearance of .03 mm to .10 mm (.002" – .004") using the supplied gauge. The valves must be adjusted with the engine cold due to thermal expansion.

**Note:** Valves must be in the compression stroke or closed position as shown in Figure 2 below. When adjustment is completed, make sure you tighten the lock nut.

Figure 2

