

6. Insert the feeler gauge between the valve tappet and the valve stem. The specified clearance is .015 inch (engine cold). Turn the adjusting screw in or out as necessary to give a slight drag on the feeler gauge. Adjust the four valves specified in the chart on page 1-15.

7. Crank the engine until the No. 4 piston is on T.D.C. (compression) and the T.D.C. mark (1) on the fan drive pulley is in line with the timing pointer (4). (Refer to illustration on page 1-15.) Adjust the remaining four valves.

8. Install the valve cover being sure to use a new gasket. Check for any oil leaks.

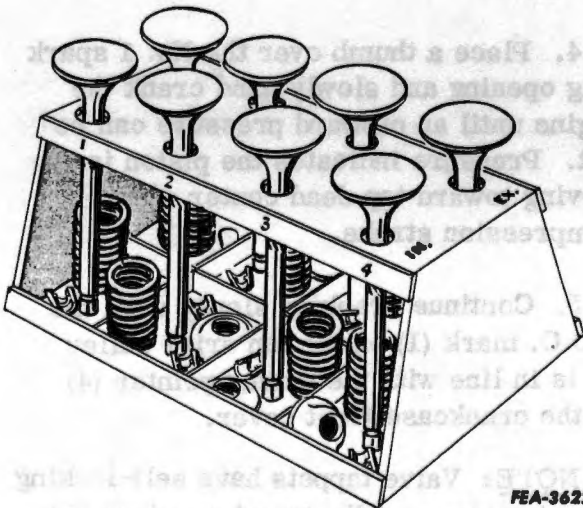
9. Install the intake manifold with a new gasket.

ADJUST VALVES		(Engine Cold)	
Valve	Adjustment	Valve	Adjustment
1	0.015	5	0.015
2	0.015	6	0.015
3	0.015	7	0.015
4	0.015	8	0.015

1. Remove the intake and exhaust manifold assembly. Remove the valve tappet cover. Clean the gasket mating areas to insure proper sealing when re-assembled.

2. Check the entire valve assembly for rust and dirt. Inspect for looseness in the valve assembly and for worn or broken valve springs.

Removing Valves



NOTE: When valve assemblies are removed, all parts should be kept in order. They may then be reinstalled in the same ports, from which removed, if they are to be used for further service.

1. Drain the cooling system and remove the cylinder head.

2. Remove the intake and exhaust manifold assembly.

3. Remove the valve tappet cover, and turn down the tappet screws several turns so the springs may be removed easily and to prevent interference with valve stems after seats and faces are reground.