15. **INSTRUCTOR'S INITIALS_____**

16. Install oil pan and "snug" bolts, **as per demonstration.** Torque bolts to specification.

17. Install starter and torque.

18. Install water pump and torque.

19. Clean and check head bolt threads and holes. Put sealer on threads and lubricant on underside of head bolts, install gasket, head and bolts, and torque to specification using the correct sequence.

20. Install exhaust manifold and torque to specification.

21. Inspect the lifters, push rods, and rocker arms.

22. **INSTRUCTOR'S INITIALS_____**

23. Lube the lifters, push rod ends, valve tips pivot ball, stud threads, and install parts. **Do not mix up the lifters.**

24. Adjust valve clearance to factory specifications, **as per demonstration. Each student is to do the cylinder corresponding to the piston they installed.**

25. **INSTRUCTOR'S INITIALS_____**

26. Install intake manifold **as per demonstration**, and torque to specification.

27. Install proper amount of motor oil, prime the oil filter, and install the filter.

28. **INSTRUCTOR'S INITIALS_____**

29. Install instrument cluster, including oil pressure gauge.

30. Prime the engine lubrication system using the modified distributor, **as per demonstration.**

31. Perform compression test on all cylinders (all spark plugs removed) and record readings.

32. Install distributor, **as per demonstration.** Install spark plugs and wires (according to firing order). **Note: If the distributor is incorrectly installed, or the spark plug wires are not in the correct order the engine will not run.**

33. Install valve cover and torque bolts.

34. Install carburetor.

35. **INSTRUCTOR'S INITIALS_____**

36. Compression, fuel, and ignition (at the right time) are necessary for any engine to run. If you have performed all steps properly, you should be ready to "fire your engine."