

SECTION 4 PERIODIC INSPECTIONS

LYCOMING OPERATOR'S MANUAL O-235 AND O-290 SERIES

- f. Priming Nozzles* – Disconnect primer nozzles from engine and check for equal flow.
- g. Valve Rockers (O-235 and O-290-D)* – Check clearance. See Page 5-9, Paragraph (11) for valve rocker clearance.
- h. Carburetor* – Check throttle body attaching screws for tightness. The correct torque for these screws is 40 to 50 in.-lbs.
- i. Lubrication System* – Drain and renew lubrication oil. Replace oil filter.

5. **400-HOUR INSPECTION.** In addition to the items listed for daily pre-flight, 50-hour and 100-hour inspections, the following maintenance check should be made after every 400 hours of operation.

Valve Inspection – Remove rocker box covers and check for freedom of valve rockers when valves are closed. Look for evidence of abnormal wear or broken parts in the area of the valve tips, valve keeper, springs and spring seat. If any indications are found, the cylinder and all of its components should be removed (including the piston and connecting rod assembly) and inspected for further damage. Replace any parts that do not conform with limits shown in the latest revision of Special Service Publication No. SSP-1776.

6. **NON-SCHEDULED INSPECTIONS.** Occasionally, service bulletins or service instructions are issued by Lycoming that require inspection procedures that are not listed in this manual. Such publications, usually are limited to specified engine models and become obsolete after corrective modification has been accomplished. All such publications are available from Lycoming distributors, or from the factory by subscription. Consult latest revision of Service Letter No. L114 for subscription information. Maintenance facilities should have an up-to-date file of these publications available at all times.