

Inspecting Valves

29 EN

1. Clean carbon deposits from valves.
2. Check valve seats and grind if necessary.
When grinding the valves dimension "b", (Fig. 160) especially on exhaust valves, may not be exceeded.
3. Valves with mushroomed or dented stems must be replaced.
4. Valves with bent stems, burnt or dented seats, or worn stems must be replaced. Straightening and grinding will not suffice.

Testing Valves for Seating

30 EN

Valve seating can be checked on an assembled cylinder head by filling gasoline into the respective ports. No gasoline will leak through a properly seated valve.

Adjusting Valve Clearance

31 EN

Valve adjustment is carried out in sequence on cylinders I through IV. The piston of the valves being adjusted must be at TDC to insure that the valves are fully closed.

When starting with cylinder I, rotate the crankshaft by turning the V-belt pulley until both valves are closed and the timing mark on the pulley is aligned with the timing mark on the timing case cover.

Adjustment

1. Remove rocker box cover.
2. Set cylinder to be adjusted to TDC.
3. Check clearance with a feeler gauge.
4. Loosen lock nut.
5. Adjust clearance using a screwdriver and feeler gauge (Fig. 163).



Fig. 163