

Engine Tune-up

Job-No.
01 — 3

In general it is sufficient to carry out the checking and adjustment operations described in the procedures A—K below.

It is usually unnecessary to check the valve timing settings. This should only be undertaken in special cases.

An accurate adjustment of the tappets is impossible with the engine warm. All data on tappet clearance is therefore only valid for a **cold engine**.

For this reason, the checking and adjustment of tappet clearances should never be undertaken with the engine at working temperature.

Should it be necessary to begin adjustment operations with the engine at working temperature, procedures B—H should first be carried out. Then when the engine has become cold, the tappet clearance should be adjusted and finally, after the engine has been warmed up, the idle should be adjusted.

With the engine cold, operations should be carried out in the following order:

- A. Tappet clearance adjustment
- B. Compression measurement
- C. Cleaning and testing of spark plugs
- D. Measurement and adjustment of distributor contact gaps
- E. Ignition setting
- F. Checking of camshaft adjustment
- G. Measurement and adjustment of fuel feed pump pressure
- H. Measurement and adjustment of carburetor fuel level and injection amount
- I. Trouble-shooting hints on carburetor system
- K. Adjustment of idle
- L. Checking of valve timing settings