

General Information

This section covers the use of engine analyzers made by Bear and Sun and their measurement capabilities. The desired measurement results are explained in the appropriate sections, and malfunctions are illustrated by examples.

These engine analyzer allows more in-depth testing when solving engine running problems. As a result, the troubleshooting sequence or procedures are different. The Engine testing, adjusting (job no. 07-1100) procedure remains valid for these engine analyzers.

To simplify the start of the test procedures, a complaint analysis form, see page 12/1, can be used to record customer complaints. In this way, a broader information base is available when performing the necessary test procedures, which are intended to result in a faster diagnosis. Block diagrams (flowcharts) labeled **Engine does not run** or **Engine runs**, shown on pages 13/1 and 14/1, respectively, show a general approach to starting the test sequence.

The engine analyzer is equipped with an automatic data storage feature, automatic program start and cycle sequence. Individual data can be displayed on the screen and printed via an attached printer. Thus, the test data are available at all times in print.

Wrong entries, due to operator error, are automatically recognized and displayed or not executed. The exact operating description is stored in the engine analyzer and can be recalled at any time. If necessary, the individual page can be printed.