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Engine Diagnosis

Model: All

Production: All

OBJECTIVES

After completion of this module you will be able to:

- Understand the Operation of New Generation Engines
- Utilize BMW Diagnostic Equipment to Diagnose Engine Related Complaints
- Understand Engine Diagnosis Using Basic Hand Tools

Engine Diagnosis

When attempting to diagnose driveability complaints, always consider the basics. Regardless of the level of technology employed on an engine, it still needs a few basic things to occur in order to run properly. Whether the engine is very basic or uses so-called “New Generation” technology always refer to the basic principles first.

Any engine using four-cycle spark-ignition principles must meet the same fundamental conditions to run properly. Most engine related driveability problems fall into a few basic categories:

- No Start/No Crank
- Extending cranking before engine start
- Rough Running Cold Idle
- Rough Running Warm Idle
- Rough Running Under Load
- Lack of Power
- Check Engine Light (MIL)

