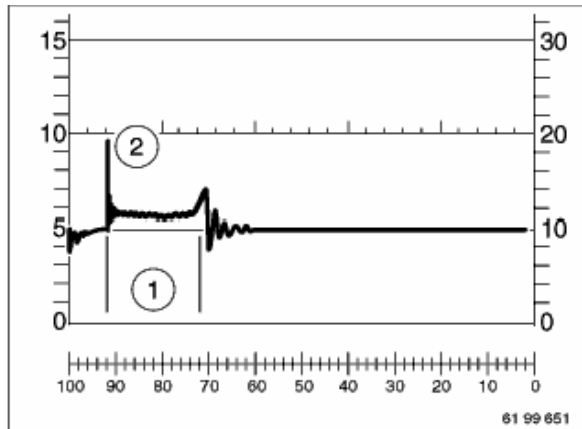
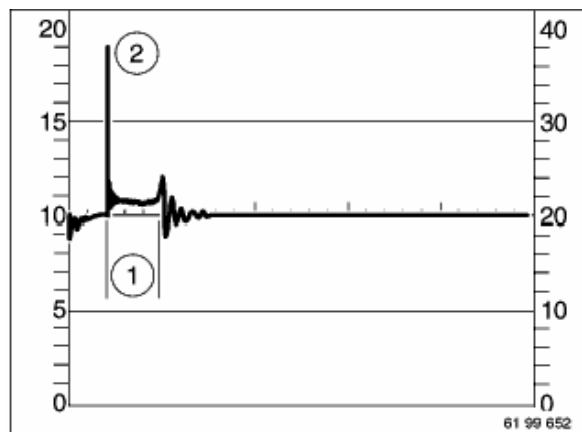


Evaluation of sparking period and ignition voltage peaks at idling speed.

1. Normal combustion period
  2. Normal ignition voltage peak.
- Ignition system is OK.



Long sparking period (1) with low ignition voltage peak (2).  
Indicates low compression.  
Fluctuating sparking period:  
Indicates contamination on spark plug (shunt).



Short sparking period (1) with high ignition voltage peak.  
Constant but short sparking period:  
Indicates defective ignition lead.

**Note:**

The sparking-voltage line could sometimes be missing completely and the ignition voltage peak could rise very high.

**Ignition Voltage Too High:**

Electrode gap	large
Compression	high

Fuel air mixture	lean
Electrode temperature	low
Electrode condition	burnt
Ignition lead	interrupted

#### **Ignition Voltage Too Low:**

Electrode gap	small
Compression	low
Fuel air mixture	correct
Electrode temperature	high
Electrode condition	new