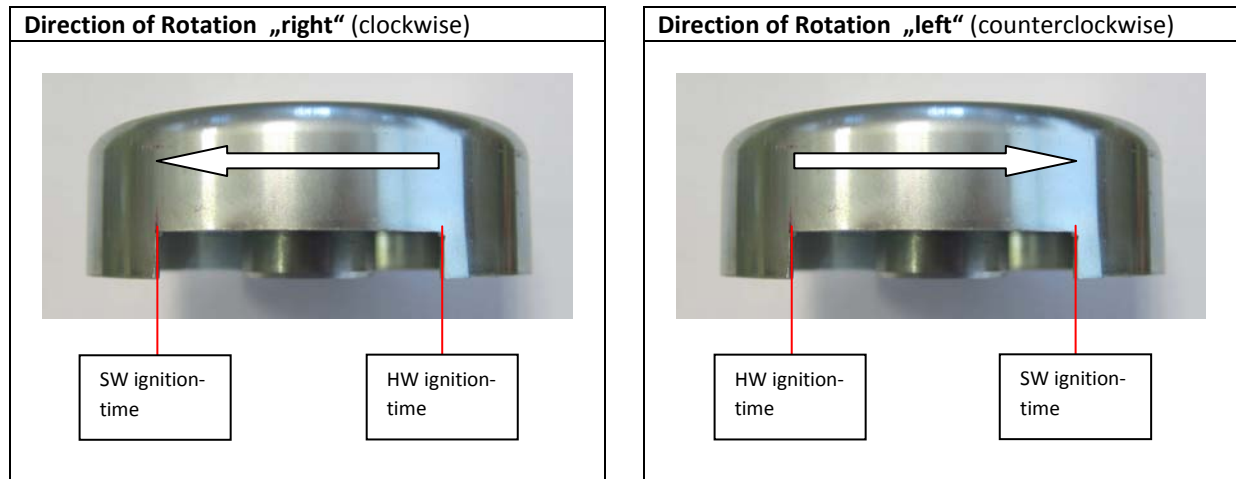


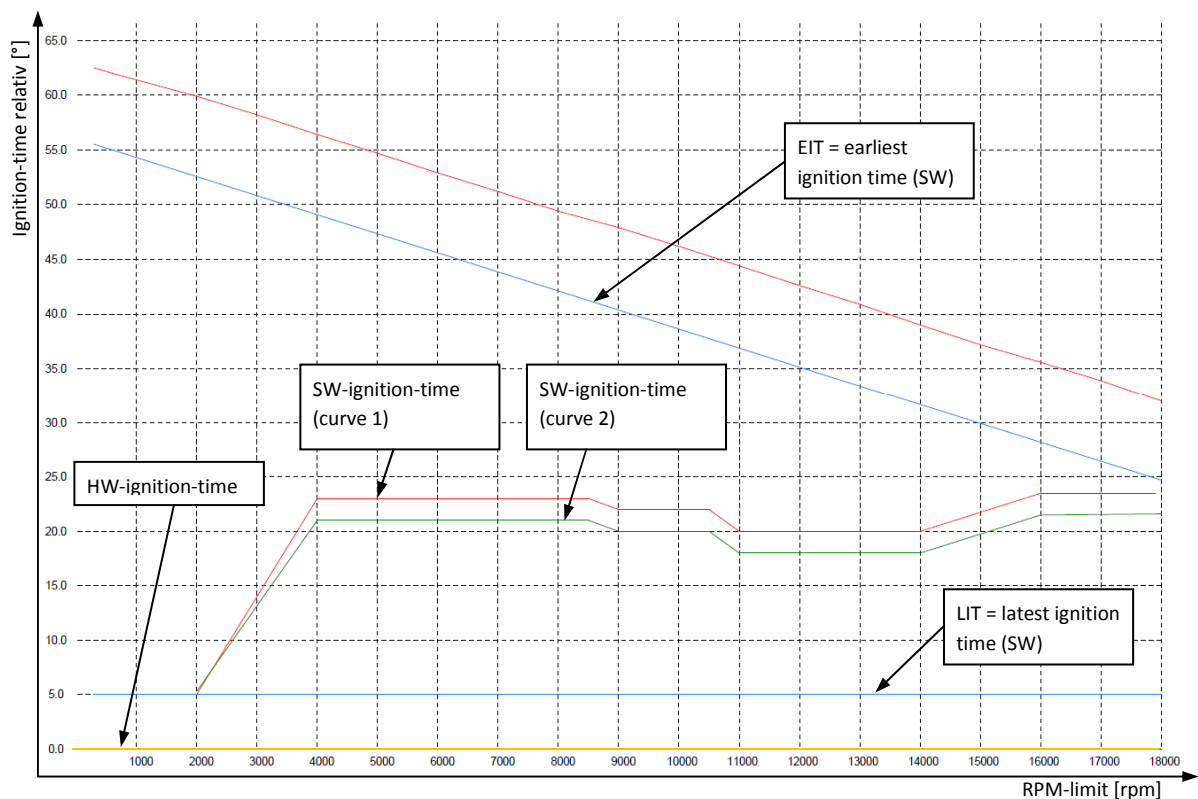
PVL 650 Fire

Positioning of stator to rotor for static ignition timing (hardware ignition time) and variable ignition timing (software ignition time).



If the respective edge of the trigger-window of the rotor in the center of magnet (hall-sensor) on the stator, is the respective trigger event. See the example below.

HW-ignition-time = static ignition timing
 SW-ignition-time = variable ignition timing



Example:

The following example refers to the direction of rotation „left“ (conterclockwise).



Is the HW ignition-timing set to 5° BTDC (the piston is at 5° BTDC) and the HW-edge of rotor is in the center of the trigger-magnet is the SW-ignition-point of curve 1 at a speed of 5000 rpm at 23° for HW-igniton-time (at 28° BTDC). In this case, SW-ignition-time at curve 2 is at a speed of 5000 rpm at 21° for HW-igniton-time (at 26° BTDC)