

## Ignition to crankshaft signal

### Objective:

Checking the electrical and mechanical functions of the ignition in correlation to the crankshaft signal.

### Measurement:

Plot of voltage at the control input of the ignition in correlation to the crankshaft signal.

### Preparation:

Engine oil temperature greater than 80 °C. Switch off all electrical loads. Switch off the engine and ignition.

### Connections:

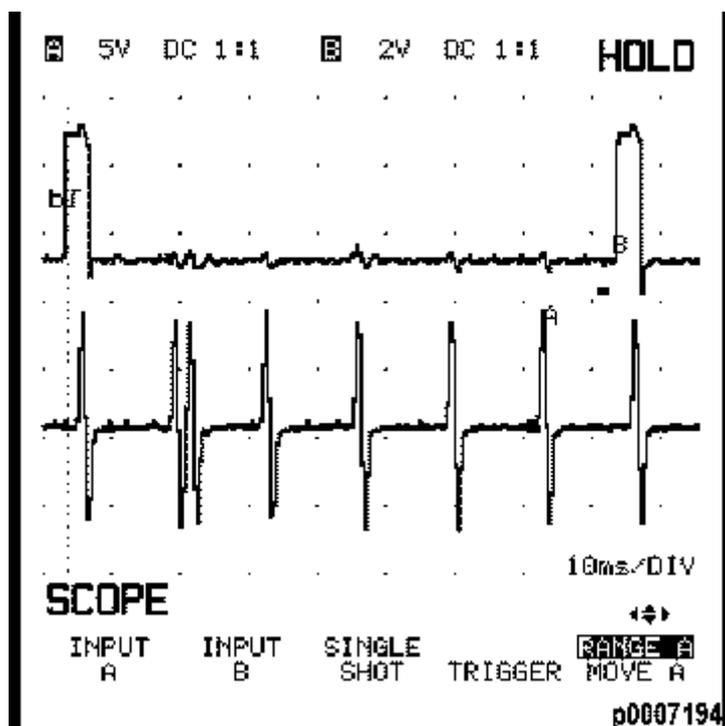
INPUT A	COM/TRIGGER	INPUT B
Connect the red measurement lead to terminal B, D, F or G of the ignition coil plug. Connect the black ground lead to the ground.		Connect the grey measurement lead to terminal B of the plug connector for the impulse sensor on the crankshaft. Connect the ground lead to terminal A.

### Procedure Tech 31:

1. Download Reference curve.
2. Start the engine and allow it to idle.

### Reference Curve:





**Procedure Tech 32:**

1. Download Setup file (the Tech 32 uses only Setup files, no reference curves).
2. Start the engine and allow it to idle.

Setup File: 

Reference Curve:

