

Throttle Valve Potentiometer (Double Signal), Motronic (MY2001, MY2002 and MY2003)

Objective:

Checking the electrical and mechanical functions.

Measurement:

Voltage plot of both signal outputs of the throttle valve potentiometer.

Preparation:

Switch off the engine and ignition.

Connections:

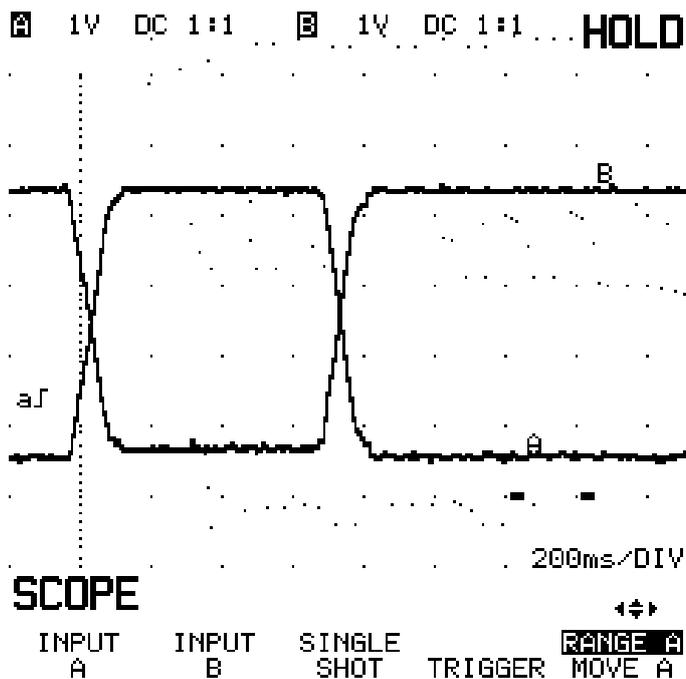
INPUT A	COM/TRIGGER	INPUT B
Connect the red measurement lead to pin 6 of the connection plug on the throttle valve potentiometer. Connect the black ground lead to ground.		Connect the grey measurement lead to pin 5 of the connection plug on the throttle valve potentiometer.

Procedure Tech 31:

1. Download the Reference curve.
2. Ignition on.
3. Depress the accelerator pedal quickly down to the limit stop and then release it again.

Reference Curve:





The A-channel displays the throttle valve potentiometer signal. The B-channel displays the throttle valve adjuster signal.

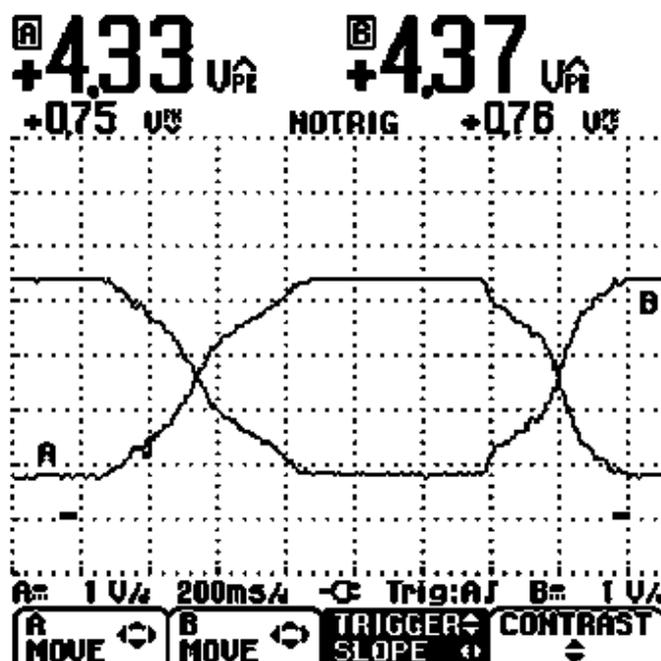
Procedure Tech 32:

1. Download Setup File.
2. Start the engine and allow it to idle.
3. Depress the accelerator pedal quickly down to the limit stop and then release it again.



Setup File:

Reference Curve:



p0007164