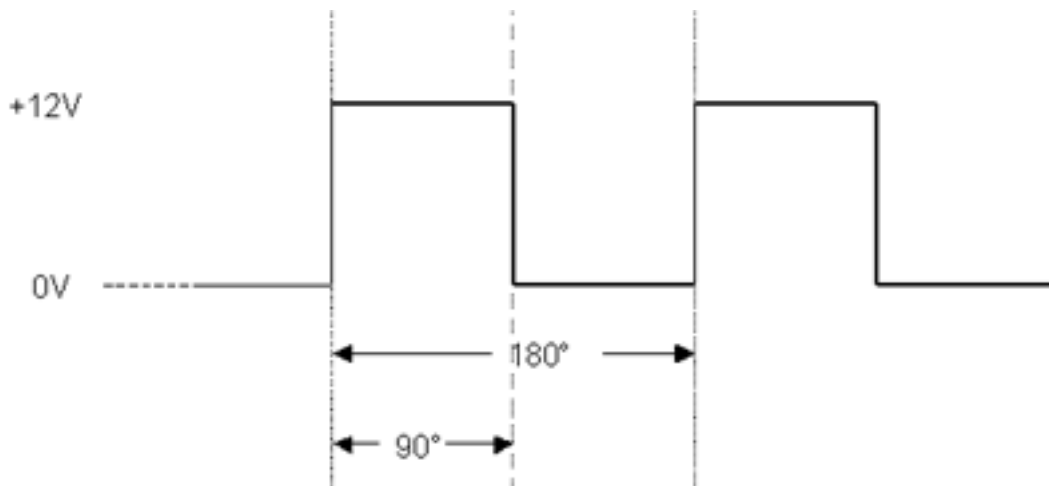


Rev Counter Tacho Signal Information for CAN based ECUs

4 Cylinder Tacho Signal (Open Collector with 12v Pullup)



Tacho Signal can source about 14mA

The MBE CAN ECUs produce a square wave 12V output, this is configurable from within the ECU for the number of pulses that occur on the tacho signal per engine cycle. This means it can be programmed to suit your own tachometer's requirements. The duty cycle for the tacho output is adjustable within Easimap 6 in the tacho section. Normally the tacho output is set to 75% duty cycle which is suitable for most tachos.

If you are having problems, you can try adjusting this value but it is likely that your tacho is not suitable for a 13v square wave output as it is designed for a coil negative signal & is internally protected against the high voltages that can be generated by the coil thus making it less likely to be able to receive the signal from the MBE.

If this does not work, you will either have to replace your tacho or have it modified by a specialist.

IMPORTANT NOTE

In some instances we have seen tachos such as VDO, although supposed to run on this signal, appear to drag the output voltage of the tacho signal down to approx. 3 volts. On some occasions this has been overcome by fitting a 390 ohm (1 watt) resistor across the tacho signal wire on the tacho and its 12V supply wire.



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