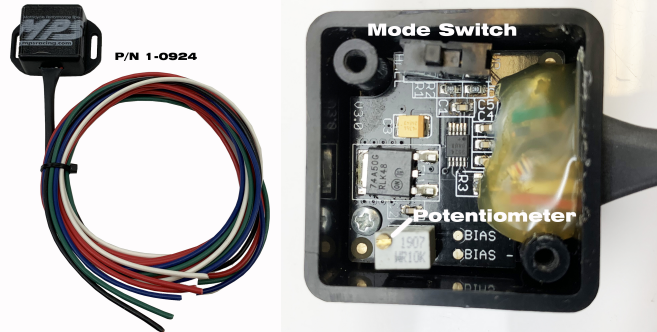
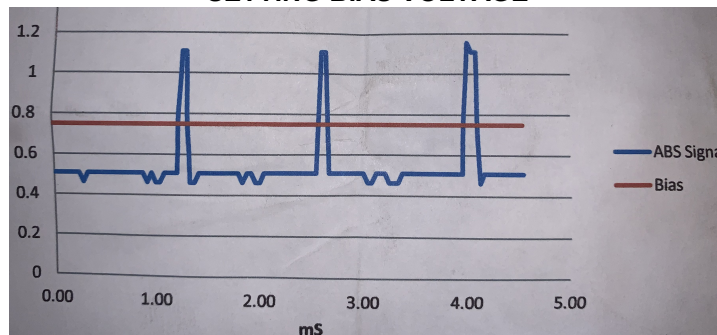


MPS ABS Signal Converter Installation Instructions



SETTING BIAS VOLTAGE



The potentiometer inside of the speed sensor adapter must be adjusted so the bias voltage is midway between the min/max voltages produced by your two-wire hall effect sensor. The following figure shows an example from a hall effect ABS sensor and the bias voltage setting used for the speed sensor adapter to detect the signal. The bias voltage can be measured by connecting a multimeter between the exposed pads on the adapter circuit board labeled BIAS+ and BIAS-, or between BIAS+ and chassis ground. To increase the bias voltage turn the potentiometer clockwise and to decrease the bias voltage turn the potentiometer counter clockwise.

SETTING OPERATING MODE FOR TWO-WIRE HALL EFFECT SENSOR

Note: They come in the proper position and should not need to be changed.

Remove the two screws on the bottom of the sensor adapter to uncover the mode selection switch. For two-wire hall effect sensors the mode switch should be pushed away from the wires inside the adapter.

Red – Ignition Switched 12v positive

Black – Ground

Green – Sensor Signal

Red – Sensor Power

White – Signal out to ECU Input (Digital)

If you have any more questions we have a Frequently Asked Questions page at our web site as well as the telephone tech support. Thank you for your purchase of this MPS product. All products sold by MPS are for use at closed course competition events and not for use on public streets or highways.