

Step 1: Determine your total speedometer error as a ratio, or as a percentage error.

Step 2: Find the ratio/percentage nearest to your speedo error. Then set the YB switches as shown.

SPECIAL TEST MODES:

1111 1111 = Test all switches ON

0000 0000 = Test all switches OFF

1000 0000 = INPUT Test

Test the speed sensor and YB Input wire connection.
As the vehicle wheel is turned the LED will flash.
Bad connection jiggling flashes LED (no wheel turn).

0111 1110 = OUTPUT Test 100 Hz

*** 0111 1111 = OUTPUT Test 400 Hz**

Test the speedo and YB Output wire connection.
Speed shown 0-100+ mph must remain steady speed.
Bad connection jiggling causes speed fluctuations.

*** ONLY use 400 Hz if 100 Hz Test reads 0-40 mph**

1111 1110 = DATE of Manufacture

Flashed as two 4 bit binary numbers (Year, Month)

0001 1001 =	1.125 =	12.5 %
0001 1010 =	1.130 =	13.0 %
0001 1011 =	1.135 =	13.5 %
0001 1100 =	1.140 =	14.0 %
0001 1101 =	1.145 =	14.5 %
0001 1110 =	1.150 =	15.0 %

Switches	Ratio	Percent
0001 1111 =	1.155 =	15.5 %
0010 0000 =	1.160 =	16.0 %
0010 0001 =	1.165 =	16.5 %
0010 0010 =	1.170 =	17.0 %
0010 0011 =	1.175 =	17.5 %
0010 0100 =	1.180 =	18.0 %
0010 0101 =	1.185 =	18.5 %
0010 0110 =	1.190 =	19.0 %
0010 0111 =	1.195 =	19.5 %
0010 1000 =	1.200 =	20.0 %

Switches	Ratio	Percent
0010 1001 =	1.205 =	20.5 %
0010 1010 =	1.210 =	21.0 %
0010 1011 =	1.215 =	21.5 %
0010 1100 =	1.220 =	22.0 %
0010 1101 =	1.225 =	22.5 %
0010 1110 =	1.230 =	23.0 %
0010 1111 =	1.235 =	23.5 %
0011 0000 =	1.240 =	24.0 %
0011 0001 =	1.245 =	24.5 %
0011 0010 =	1.250 =	25.0 %

Switches	Ratio	Percent
0011 0011 =	1.255 =	25.5 %
0011 0100 =	1.260 =	26.0 %
0011 0101 =	1.265 =	26.5 %
0011 0110 =	1.270 =	27.0 %
0011 0111 =	1.275 =	27.5 %
0011 1000 =	1.280 =	28.0 %
0011 1001 =	1.285 =	28.5 %
0011 1010 =	1.290 =	29.0 %
0011 1011 =	1.295 =	29.5 %
0011 1100 =	1.300 =	30.0 %

Switches	Ratio	Percent
0011 1101 =	1.305 =	30.5 %
0011 1110 =	1.310 =	31.0 %
0011 1111 =	1.315 =	31.5 %
0100 0000 =	1.320 =	32.0 %
0100 0001 =	1.325 =	32.5 %
0100 0010 =	1.330 =	33.0 %
0100 0011 =	1.335 =	33.5 %
0100 0100 =	1.340 =	34.0 %
0100 0101 =	1.345 =	34.5 %
0100 0110 =	1.350 =	35.0 %

POSITIVE CORRECTION RATIOS:

For speedos that read too fast.

Switches	Ratio	Percent
0000 0000 =	1.000 =	0.0 %
0000 0001 =	1.005 =	0.5 %
0000 0010 =	1.010 =	1.0 %
0000 0011 =	1.015 =	1.5 %
0000 0100 =	1.020 =	2.0 %
0000 0101 =	1.025 =	2.5 %
0000 0110 =	1.030 =	3.0 %
0000 0111 =	1.035 =	3.5 %
0000 1000 =	1.040 =	4.0 %
0000 1001 =	1.045 =	4.5 %
0000 1010 =	1.050 =	5.0 %

Switches	Ratio	Percent
0000 1011 =	1.055 =	5.5 %
0000 1100 =	1.060 =	6.0 %
0000 1101 =	1.065 =	6.5 %
0000 1110 =	1.070 =	7.0 %
0000 1111 =	1.075 =	7.5 %
0001 0000 =	1.080 =	8.0 %
0001 0001 =	1.085 =	8.5 %
0001 0010 =	1.090 =	9.0 %
0001 0011 =	1.095 =	9.5 %
0001 0100 =	1.100 =	10.0 %

Switches	Ratio	Percent
0001 0101 =	1.105 =	10.5 %
0001 0110 =	1.110 =	11.0 %
0001 0111 =	1.115 =	11.5 %
0001 1000 =	1.120 =	12.0 %

Switches	Ratio	Percent
0100 0111 =	1.355 =	35.5 %
0100 1000 =	1.360 =	36.0 %
0100 1001 =	1.365 =	36.5 %
0100 1010 =	1.370 =	37.0 %
0100 1011 =	1.375 =	37.5 %
0100 1100 =	1.380 =	38.0 %
0100 1101 =	1.385 =	38.5 %
0100 1110 =	1.390 =	39.0 %
0100 1111 =	1.395 =	39.5 %
0101 0000 =	1.400 =	40.0 %

Switches	Ratio	Percent
0101 0001 =	1.405 =	40.5 %
0101 0010 =	1.410 =	41.0 %
0101 0011 =	1.415 =	41.5 %
0101 0100 =	1.420 =	42.0 %
0101 0101 =	1.425 =	42.5 %
0101 0110 =	1.430 =	43.0 %
0101 0111 =	1.435 =	43.5 %
0101 1000 =	1.440 =	44.0 %
0101 1001 =	1.445 =	44.5 %
0101 1010 =	1.450 =	45.0 %

Switches	Ratio	Percent
0101 1011 =	1.455 =	45.5 %
0101 1100 =	1.460 =	46.0 %
0101 1101 =	1.465 =	46.5 %
0101 1110 =	1.470 =	47.0 %
0101 1111 =	1.475 =	47.5 %
0110 0000 =	1.480 =	48.0 %
0110 0001 =	1.485 =	48.5 %
0110 0010 =	1.490 =	49.0 %
0110 0011 =	1.495 =	49.5 %
0110 0100 =	1.500 =	50.0 %

Switches	Ratio	Percent
0110 0101 =	1.510 =	51.0 %
0110 0110 =	1.520 =	52.0 %
0110 0111 =	1.530 =	53.0 %
0110 1000 =	1.540 =	54.0 %
0110 1001 =	1.550 =	55.0 %
0110 1010 =	1.560 =	56.0 %
0110 1011 =	1.570 =	57.0 %
0110 1100 =	1.580 =	58.0 %
0110 1101 =	1.590 =	59.0 %
0110 1110 =	1.600 =	60.0 %

Switches	Ratio	Percent
0110 1111 =	1.610 =	61.0 %

**61.0% = KPH-MPH 1:1 Conversion
To Display MPH on a KPH-Speedometer.**

0111 0000 =	1.620 =	62.0 %
0111 0001 =	1.630 =	63.0 %
0111 0010 =	1.640 =	64.0 %
0111 0011 =	1.650 =	65.0 %
0111 0100 =	1.660 =	66.0 %
0111 0101 =	1.670 =	67.0 %

0111 0110 =	1.680 =	68.0 %
0111 0111 =	1.690 =	69.0 %
0111 1000 =	1.700 =	70.0 %

Switches	Ratio	Percent
0111 1001 =	1.710 =	71.0 %
0111 1010 =	1.720 =	72.0 %
0111 1011 =	1.730 =	73.0 %
0111 1100 =	1.740 =	74.0 %
0111 1101 =	1.750 =	75.0 %
1110 0101 =	1.760 =	76.0 %
1110 0110 =	1.770 =	77.0 %
1110 0111 =	1.780 =	78.0 %
1110 1000 =	1.790 =	79.0 %
1110 1001 =	1.800 =	80.0 %

Switches	Ratio	Percent
1110 1010 =	1.810 =	81.0 %
1110 1011 =	1.820 =	82.0 %
1110 1100 =	1.830 =	83.0 %
1110 1101 =	1.840 =	84.0 %
1110 1110 =	1.850 =	85.0 %
1110 1111 =	1.860 =	86.0 %
1111 0000 =	1.870 =	87.0 %
1111 0001 =	1.880 =	88.0 %
1111 0010 =	1.890 =	89.0 %
1111 0011 =	1.900 =	90.0 %

Switches	Ratio	Percent
1111 0100 =	1.910 =	91.0 %
1111 0101 =	1.920 =	92.0 %
1111 0110 =	1.930 =	93.0 %
1111 0111 =	1.940 =	94.0 %
1111 1000 =	1.950 =	95.0 %
1111 1001 =	1.960 =	96.0 %
1111 1010 =	1.970 =	97.0 %
1111 1011 =	1.980 =	98.0 %
1111 1100 =	1.990 =	99.0 %
1111 1101 =	2.000 =	100.0 %

**NEGATIVE CORRECTION RATIOS:
For speedos that read too slow.**

Switches	Ratio	Percent
0000 0000 =	1.000 =	-0.0 %
1000 0001 =	0.995 =	-0.5 %
1000 0010 =	0.990 =	-1.0 %
1000 0011 =	0.985 =	-1.5 %
1000 0100 =	0.980 =	-2.0 %
1000 0101 =	0.975 =	-2.5 %
1000 0110 =	0.970 =	-3.0 %
1000 0111 =	0.965 =	-3.5 %
1000 1000 =	0.960 =	-4.0 %
1000 1001 =	0.955 =	-4.5 %
1000 1010 =	0.950 =	-5.0 %

Switches	Ratio	Percent
1000 1011 =	0.945 =	-5.5 %
1000 1100 =	0.940 =	-6.0 %
1000 1101 =	0.935 =	-6.5 %
1000 1110 =	0.930 =	-7.0 %
1000 1111 =	0.925 =	-7.5 %
1001 0000 =	0.920 =	-8.0 %
1001 0001 =	0.915 =	-8.5 %
1001 0010 =	0.910 =	-9.0 %
1001 0011 =	0.905 =	-9.5 %
1001 0100 =	0.900 =	-10.0 %

Switches	Ratio	Percent
1001 0101 =	0.895 =	-10.5 %
1001 0110 =	0.890 =	-11.0 %
1001 0111 =	0.885 =	-11.5 %
1001 1000 =	0.880 =	-12.0 %
1001 1001 =	0.875 =	-12.5 %
1001 1010 =	0.870 =	-13.0 %
1001 1011 =	0.865 =	-13.5 %
1001 1100 =	0.860 =	-14.0 %
1001 1101 =	0.855 =	-14.5 %
1001 1110 =	0.850 =	-15.0 %

Switches	Ratio	Percent
1001 1111 =	0.845 =	-15.5 %
1010 0000 =	0.840 =	-16.0 %
1010 0001 =	0.835 =	-16.5 %
1010 0010 =	0.830 =	-17.0 %
1010 0011 =	0.825 =	-17.5 %
1010 0100 =	0.820 =	-18.0 %
1010 0101 =	0.815 =	-18.5 %
1010 0110 =	0.810 =	-19.0 %
1010 0111 =	0.805 =	-19.5 %
1010 1000 =	0.800 =	-20.0 %

Switches	Ratio	Percent
1010 1001 =	0.795 =	-20.5 %
1010 1010 =	0.790 =	-21.0 %
1010 1011 =	0.785 =	-21.5 %
1010 1100 =	0.780 =	-22.0 %
1010 1101 =	0.775 =	-22.5 %
1010 1110 =	0.770 =	-23.0 %
1010 1111 =	0.765 =	-23.5 %
1011 0000 =	0.760 =	-24.0 %
1011 0001 =	0.755 =	-24.5 %
1011 0010 =	0.750 =	-25.0 %

Switches	Ratio	Percent
1011 0011 =	0.745 =	-25.5 %
1011 0100 =	0.740 =	-26.0 %
1011 0101 =	0.735 =	-26.5 %
1011 0110 =	0.730 =	-27.0 %
1011 0111 =	0.725 =	-27.5 %
1011 1000 =	0.720 =	-28.0 %
1011 1001 =	0.715 =	-28.5 %
1011 1010 =	0.710 =	-29.0 %
1011 1011 =	0.705 =	-29.5 %
1011 1100 =	0.700 =	-30.0 %

Switches	Ratio	Percent
1011 1101 =	0.695 =	-30.5 %
1011 1110 =	0.690 =	-31.0 %
1011 1111 =	0.685 =	-31.5 %
1100 0000 =	0.680 =	-32.0 %
1100 0001 =	0.675 =	-32.5 %
1100 0010 =	0.670 =	-33.0 %
1100 0011 =	0.665 =	-33.5 %
1100 0100 =	0.660 =	-34.0 %
1100 0101 =	0.655 =	-34.5 %
1100 0110 =	0.650 =	-35.0 %

Switches	Ratio	Percent
1100 0111 =	0.645 =	-35.5 %
1100 1000 =	0.640 =	-36.0 %
1100 1001 =	0.635 =	-36.5 %
1100 1010 =	0.630 =	-37.0 %
1100 1011 =	0.625 =	-37.5 %
1100 1100 =	0.620 =	-38.0 %

<p>-38.0% = MPH-KPH 1:1 Conversion To Display KPH on a MPH-Speedometer.</p>
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1100 1101 =	0.615 =	-38.5 %
1100 1110 =	0.610 =	-39.0 %
1100 1111 =	0.605 =	-39.5 %
1101 0000 =	0.600 =	-40.0 %

Switches	Ratio	Percent
1101 0001 =	0.595 =	-40.5 %
1101 0010 =	0.590 =	-41.0 %
1101 0011 =	0.585 =	-41.5 %
1101 0100 =	0.580 =	-42.0 %
1101 0101 =	0.575 =	-42.5 %
1101 0110 =	0.570 =	-43.0 %
1101 0111 =	0.565 =	-43.5 %
1101 1000 =	0.560 =	-44.0 %
1101 1001 =	0.555 =	-44.5 %
1101 1010 =	0.550 =	-45.0 %

Switches	Ratio	Percent
1101 1011 =	0.545 =	-45.5 %
1101 1100 =	0.540 =	-46.0 %
1101 1101 =	0.535 =	-46.5 %
1101 1110 =	0.530 =	-47.0 %
1101 1111 =	0.525 =	-47.5 %
1110 0000 =	0.520 =	-48.0 %
1110 0001 =	0.515 =	-48.5 %
1110 0010 =	0.510 =	-49.0 %
1110 0011 =	0.505 =	-49.5 %
1110 0100 =	0.500 =	-50.0 %