



140mm SPEEDOMETER & TACHOMETER

Calibration Table & Procedure V2

Speed Calibration

- 1 Set the calibration speed pulse to 4000 according to the programming instructions
- 2 Use a GPS or similar device to test drive the vehicle up to a speed of 40 km/h
- 3 Record the indicated speed on the speedometer while driving 40km/h on the GPS
- 4 Stop the vehicle and switch the ignition off
- 5 Look on the table below and adjust the speed pulse accordingly
- 6 The vehicle is now calibrated

Engine R.p.m. Calibration

- 1 The calibration value is calculated as follows: **Frequency X 6000 / R.p.m.**
- 2 Measure the frequency of the alternator at a specific engine r.p.m. (Eg. 100 Hz@1500rpm)
 Example 1 : (100Hz@1500rpm) $100 \times 6000 / 1500 = 400$ now set calibration value as 400
 Example 2 : (600Hz@2000rpm) $600 \times 6000 / 2000 = 1800$ now set the calibration value as 1800
- 3 If you dont have a frequency meter, adjust the calibration value up or down until the r.p.m. needle indicate 600 r.p.m. at idling. This will be a close but not a perfectly accurate adjustment.

Test Speed 40		Test Pulses 4000			
Indicated speed on Speedometer while driving 40 km/h on GPS	Adjust pulses to the corresponding value	Indicated speed on Speedometer while driving 40 km/h on GPS	Adjust pulses to the corresponding value	Indicated speed on Speedometer while driving 40 km/h on GPS	Adjust pulses to the corresponding value
1	100	41	4100	81	8100
2	200	42	4200	82	8200
3	300	43	4300	83	8300
4	400	44	4400	84	8400
5	500	45	4500	85	8500
6	600	46	4600	86	8600
7	700	47	4700	87	8700
8	800	48	4800	88	8800
9	900	49	4900	89	8900
10	1000	50	5000	90	9000
11	1100	51	5100	91	9100
12	1200	52	5200	92	9200
13	1300	53	5300	93	9300
14	1400	54	5400	94	9400
15	1500	55	5500	95	9500
16	1600	56	5600	96	9600
17	1700	57	5700	97	9700
18	1800	58	5800	98	9800
19	1900	59	5900	99	9900
20	2000	60	6000	100	10000
21	2100	61	6100	101	10100
22	2200	62	6200	102	10200
23	2300	63	6300	103	10300
24	2400	64	6400	104	10400
25	2500	65	6500	105	10500
26	2600	66	6600	106	10600
27	2700	67	6700	107	10700
28	2800	68	6800	108	10800
29	2900	69	6900	109	10900
30	3000	70	7000	110	11000
31	3100	71	7100	111	11100
32	3200	72	7200	112	11200
33	3300	73	7300	113	11300
34	3400	74	7400	114	11400
35	3500	75	7500	115	11500
36	3600	76	7600	116	11600
37	3700	77	7700	117	11700
38	3800	78	7800	118	11800
39	3900	79	7900	119	11900
40	4000	80	8000	120	12000