



## INSTALLATION INSTRUCTIONS

### 3 3/8" SPEEDOMETER 0-85 TRANSMISSION COMPUTER DRIVEN

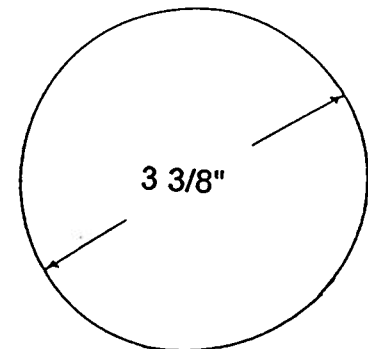
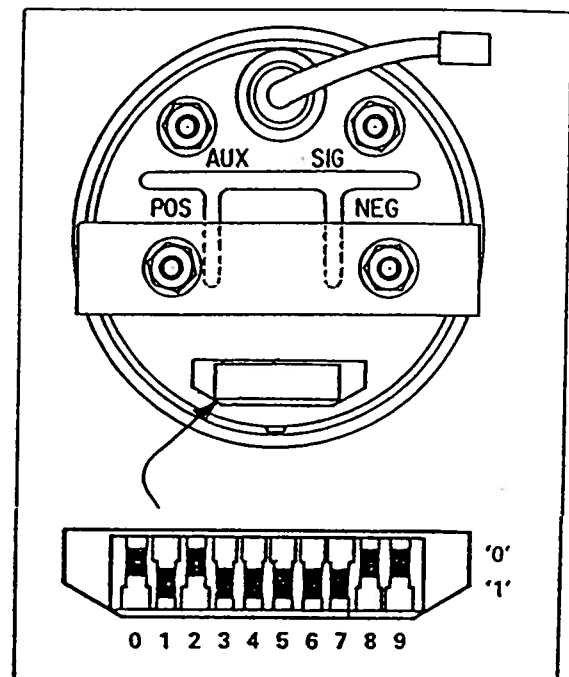
This model is a programmable electric truck speedometer with 12V DC negative ground electrical systems. It is designed to run off the trucks transmission computer on systems where there is a speedometer output signal. A 16 lever switch, located at the rear of the instrument, programs the unit. The speedometer can be programmed for computers that provide a signal from 6960 to 122760 pulses / mile. The speedometer must be programmed for each individual truck.

#### MOUNTING SPEEDOMETER IN PANEL

NOTE - Speedometer requires approximately 3 3/4" clearance behind the instrument panel.

1. Cut a 3 3/8" dia. mounting hole to fit the speedometer.
2. Connect wires to the speedometer as described in the wiring section.
3. Insert speedometer into hole and secure with mounting bracket, lockwashers, and nuts. Do not distort mounting bracket by overtightening.

NOTE - If panel thickness exceeds 1", trim bracket ends to obtain a snug fit.



#### PROGRAMMING AND INSTALLATION

1. Determine the pulses/mile output signal by consulting with your transmission manufacturer. Determine switch coding from the programming chart by locating vehicle's pulses per mile or closest value in left column and it's correlating switch code in the right column.
2. Locate and remove switch cover at rear of speedometer.
3. Viewing speedometer in upright position from rear, slide switch levers into positions coded in programming chart. Follow left to right sequence as in the chart. '1' is the UP position and '0' is the DOWN position.
4. Disconnect negative battery cable.
5. Connect signal from transmission computer to the 'SIG' terminal of the speedometer.
6. Connect another lead to 'NEG' terminal of the speedometer.
7. Connect a wire from 'POS' terminal of speedometer to a 12V DC ignition switch controlled power source.
8. Remove cover from lamp hole and plug in lamp and socket assembly.
9. Reconnect negative battery cable.

**IMPORTANT** - Use 18 AWG wire and insulated shank eyelet terminal to make wiring connections to speedometer.

Part No. 434950 (Rev 4-97)

## DUAL AXLE RATIO OPERATION

- A. This speedometer is programmed to accept the signal from vehicles equipped with a .733 dual axle ratio.
- B. When external (AUX) terminal is terminated to battery (+), the input signal frequency is reduced by a ratio of 0.733.
- C. The speedometer is programmed for low axle ratio operation. When the vehicle is shifted into high axle ratio operation, the (AUX) terminal must be terminated to battery (+).

### PULSES/MILE AND SWITCH CODES MPH SPEEDOMETER PROGRAM CHART

PULSES PER MILE	60 MPH (HZ)	CODE			PULSES PER MILE	60 MPH (HZ)	CODE			PULSES PER MILE	60 MPH (HZ)	CODE					
		SWITCH LEVER #					SWITCH LEVER #					SWITCH LEVER #					
		0123	4567	89			0123	4567	89			0123	4567	89			
6960	2.9	116	0101	1100	00	11760	4.9	196	0100	0110	00	16560	6.9	276	0101	0001	00
7080		113	1101	1100	00	11880		198	1100	0110	00	16680		278	1101	0001	00
7200	3.0	120	0011	1100	00	12000	5.0	200	0010	0110	00	16800	7.0	280	0011	0001	00
7320		122	1011	1100	00	12120		202	1010	0110	00	16920		282	1011	0001	00
7440	3.1	124	0111	1100	00	12240	5.1	204	0110	0110	00	17040	7.1	284	0111	0001	00
7560		126	1111	1100	00	12360		206	1110	0110	00	17160		286	1111	0001	00
7680	3.2	128	0000	0010	00	12480	5.2	208	0001	0110	00	17280	7.2	288	0000	1001	00
7800		130	1000	0010	00	12600		210	1001	0110	00	17400		290	1000	1001	00
7920	3.3	132	0100	0010	00	12720	5.3	212	0101	0110	00	17520	7.3	292	0100	1001	00
8040		134	1100	0010	00	12840		214	1101	0110	00	17640		294	1100	1001	00
8160	3.4	136	0010	0010	00	12960	5.4	216	0011	0110	00	17760	7.4	296	0010	1001	00
8280		138	1010	0010	00	13080		218	1011	0110	00	17880		298	1010	1001	00
8400	3.5	140	0110	0010	00	13200	5.5	220	0111	0110	00	18000	7.5	300	0110	1001	00
8520		142	1110	0010	00	13320		222	1111	0110	00	18120		302	1110	1001	00
8640	3.6	144	0001	0010	00	13440	5.6	224	0000	1110	00	18240	7.6	304	0001	1001	00
8760		146	1001	0010	00	13560		226	1000	1110	00	18360		306	1001	1001	00
8880	3.7	148	0101	0010	00	13680	5.7	228	0100	1110	00	18480	7.7	308	0101	1001	00
9000		150	1101	0010	00	13800		230	1100	1110	00	18600		310	1101	1001	00
9120	3.8	152	0011	0010	00	13920	5.8	232	0010	1110	00	18720	7.8	312	0011	1001	00
9240		154	1011	0010	00	14040		234	1010	1110	00	18840		314	1011	1001	00
9360	3.9	156	0111	0010	00	14160	5.9	236	0110	1110	00	18960	7.9	316	0111	1001	00
9480		158	1111	0010	00	14280		238	1110	1110	00	19080		318	1111	1001	00
9600	4.0	160	0000	1010	00	14400	6.0	240	0001	1110	00	19200	8.0	320	0000	0101	00
9720		162	1000	1010	00	14520		242	1001	1110	00	19320		322	1000	0101	00
9840	4.1	164	0100	1010	00	14640	6.1	244	0101	1110	00	19440	8.1	324	0100	0101	00
9960		166	1100	1010	00	14760		246	1101	1110	00	19560		326	1100	0101	00
10080	4.2	168	0010	1010	00	14880	6.2	248	0011	1110	00	19680	8.2	328	0010	0101	00
10200		170	1010	1010	00	15000		250	1011	1110	00	19800		330	1010	0101	00
10320	4.3	172	0110	1010	00	15120	6.3	252	0111	1110	00	19920	8.3	332	0110	0101	00
10440		174	1110	1010	00	15240		254	1111	1110	00	20040		334	1110	0101	00
10560	4.4	176	0001	1010	00	15360	6.4	256	0000	0001	00	20160	8.4	336	0001	0101	00
10680		178	1001	1010	00	15480		258	1000	0001	00	20280		338	1001	0101	00
10800	4.5	180	0101	1010	00	15600	6.5	260	0100	0001	00	20400	8.5	340	0101	0101	00
10920		182	1101	1010	00	15720		262	1100	0001	00	20520		342	1101	0101	00
11040	4.6	184	0011	1010	00	15840	6.6	264	0010	0001	00	20640	8.6	344	0011	0101	00
11160		186	1011	1010	00	15960		266	1010	0001	00	20760		346	1011	0101	00
11280	4.7	188	0111	1010	00	16080	6.7	268	0110	0001	00	20880	8.7	348	0111	0101	00
11400		190	1111	1010	00	16200		270	1110	0001	00	21000		350	1111	0101	00
11520	4.8	192	0000	0110	00	16320	6.8	272	0001	0001	00	21120	8.8	352	0000	1101	00
11640		194	1000	0110	00	16440		274	1001	0001	00	21240		354	1000	1101	00

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PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #									
IOR		0123 4567 89	IOR		0123 4567 89	IOR		0123 4567 89									
21360	8.9	356	0100	1101	00	27600	11.5	460	0110	0111	00	33840	14.1	564	0101	1000	10
21480		358	1100	1101	00	27720		462	1110	0111	00	33960		566	1101	1000	10
21600	9.0	360	0010	1101	00	27840	11.6	464	0001	0111	00	34080	14.2	568	0011	1000	10
21720		362	1010	1101	00	27960		466	1001	0111	00	34200		570	1011	1000	10
21840	9.1	364	0110	1101	00	28080	11.7	468	0101	0111	00	34320	14.3	572	0111	1000	10
21960		366	1110	1101	00	28200		470	1101	0111	00	34440		574	1111	1000	10
22080	9.2	368	0001	1101	00	28320	11.8	472	0011	0111	00	34560	14.4	576	0000	0100	10
22200		370	1001	1101	00	28440		474	1011	0111	00	34680		578	1000	0100	10
22320	9.3	372	0101	1101	00	28560	11.9	476	0111	0111	00	34800	14.5	580	0100	0100	10
22440		374	1101	1101	00	28680		478	1111	0111	00	34920		582	1100	0100	10
22560	9.4	376	0011	1101	00	28800	12.0	480	0000	1111	00	35040	14.6	584	0010	0100	10
22680		378	1011	1101	00	28920		482	1000	1111	00	35160		586	1010	0100	10
22800	9.5	380	0111	1101	00	29040	12.1	484	0100	1111	00	35280	14.7	588	0110	0100	10
22920		382	1111	1101	00	29160		486	1100	1111	00	35400		590	1110	0100	10
23040	9.6	384	0000	0011	00	29280	12.2	488	0010	1111	00	35520	14.8	592	0001	0100	10
23160		386	1000	0011	00	29400		490	1010	1111	00	35640		594	1001	0100	10
23280	9.7	388	0100	0011	00	29520	12.3	492	0110	1111	00	35760	14.9	596	0101	0100	10
23400		390	1100	0011	00	29640		494	1110	1111	00	35880		598	1101	0100	10
23520	9.8	392	0010	0011	00	29760	12.4	496	0001	1111	00	36000	15.0	600	0011	0100	10
23640		394	1010	0011	00	29880		498	1001	1111	00	36120		602	1011	0100	10
23760	9.9	396	0110	0011	00	30000	12.5	500	0101	1111	00	36240	15.1	604	0111	0100	10
23880		398	1110	0011	00	30120		502	1101	1111	00	36360		606	1111	0100	10
24000	10.0	400	0001	0011	00	30240	12.6	504	0011	1111	00	36480	15.2	608	0000	1100	10
24120		402	1001	0011	00	30360		506	1011	1111	00	36600		610	1000	1100	10
24240	10.1	404	0101	0011	00	30480	12.7	508	0111	1111	00	36720	15.3	612	0100	1100	10
24360		406	1101	0011	00	30600		510	1111	1111	00	36840		614	1100	1100	10
24480	10.2	408	0011	0011	00	30720	12.8	512	0000	0000	10	36960	15.4	616	0010	1100	10
24600		410	1011	0011	00	30840		514	1000	0000	10	37080		618	1010	1100	10
24720	10.3	412	0111	0011	00	30960	12.9	516	0100	0000	10	37200	15.5	620	0110	1100	10
24840		414	1111	0011	00	31080		518	1100	0000	10	37320		622	1110	1100	10
24960	10.4	416	0000	1011	00	31200	13.0	520	0010	0000	10	37440	15.6	624	0001	1100	10
25080		418	1000	1011	00	31320		522	1010	0000	10	37560		626	1001	1100	10
25200	10.5	420	0100	1011	00	31440	13.1	524	0110	0000	10	37680	15.7	628	0101	1100	10
25320		422	1100	1011	00	31560		526	1110	0000	10	37800		630	1101	1100	10
25440	10.6	424	0010	1011	00	31680	13.2	528	0001	0000	10	37920	15.8	632	0011	1100	10
25560		426	1010	1011	00	31800		530	1001	0000	10	38040		634	1011	1100	10
25680	10.7	428	0110	1011	00	31920	13.3	532	0101	0000	10	38160	15.9	636	0111	1100	10
25800		430	1110	1011	00	32040		534	1101	0000	10	38280		638	1111	1100	10
25920	10.8	432	0001	1011	00	32160	13.4	536	0011	0000	10	38400	16.0	640	0000	0010	10
26040		434	1001	1011	00	32280		538	1011	0000	10	38520		642	1000	0010	10
26160	10.9	436	0101	1011	00	32400	13.5	540	0111	0000	10	38640	16.1	644	0100	0010	10
26280		438	1101	1011	00	32520		542	1111	0000	10	38760		646	1100	0010	10
26400	11.0	440	0011	1011	00	32640	13.6	544	0000	1000	10	38880	16.2	648	0010	0010	10
26520		442	1011	1011	00	32760		546	1000	1000	10	39000		650	1010	0010	10
26640	11.1	444	0111	1011	00	32880	13.7	548	0100	1000	10	39120	16.3	652	0110	0010	10
26760		446	1111	1011	00	33000		550	1100	1000	10	39240		654	1110	0010	10
26880	11.2	448	0000	0111	00	33120	13.8	552	0010	1000	10	39360	16.4	656	0001	0010	10
27000		450	1000	0111	00	33240		554	1010	1000	10	39480		658	1001	0010	10
27120	11.3	452	0100	0111	00	33360	13.9	556	0110	1000	10	39600	16.5	660	0101	0010	10
27240		454	1100	0111	00	33480		558	1110	1000	10	39720		662	1101	0010	10
27360	11.4	456	0010	0111	00	33600	14.0	560	0001	1000	10	39840	16.6	664	0011	0010	10
27480		458	1010	0111	00	33720		562	1001	1000	10	39960		666	1011	0010	10

PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #									
IOR			IOR			IOR											
0123 4567 89			0123 4567 89			0123 4567 89											
40080	16.7	658	0111	0010	10	46560	19.4	776	0010	0001	10	53040	22.1	884	0101	1101	10
10200		670	1111	0010	10	46680		778	1010	0001	10	53160		886	1101	1101	10
40320	16.8	672	0000	1010	10	46800	19.5	780	0110	0001	10	53280	22.2	888	0011	1101	10
40440		674	1000	1010	10	46920		782	1110	0001	10	53400		890	1011	1101	10
40560	16.9	676	0100	1010	10	47040	19.6	784	0001	0001	10	53520	22.3	892	0111	1101	10
40680		678	1100	1010	10	47160		786	1001	0001	10	53640		894	1111	1101	10
40800	17.0	680	0010	1010	10	47280	19.7	788	0101	0001	10	53760	22.4	896	0000	0011	10
40920		682	1010	1010	10	47400		790	1101	0001	10	53880		898	1000	0011	10
41040	17.1	684	0110	1010	10	47520	19.8	792	0011	0001	10	54000	22.5	900	0100	0011	10
41160		686	1110	1010	10	47640		794	1011	0001	10	54120		902	1100	0011	10
41280	17.2	688	0001	1010	10	47760	19.9	796	0111	0001	10	54240	22.6	904	0010	0011	10
41400		690	1001	1010	10	47880		798	1111	0001	10	54360		906	1010	0011	10
41520	17.3	692	0101	1010	10	48000	20.0	800	0000	1001	10	54480	22.7	908	0110	0011	10
41640		694	1101	1010	10	48120		802	1000	1001	10	54600		910	1110	0011	10
41760	17.4	696	0011	1010	10	48240	20.1	804	0100	1001	10	54720	22.8	912	0001	0011	10
41880		698	1011	1010	10	48360		806	1100	1001	10	54840		914	1001	0011	10
42000	17.5	700	0111	1010	10	48480	20.2	808	0010	1001	10	54960	22.9	916	0101	0011	10
42120		702	1111	1010	10	48600		810	1010	1001	10	55080		918	1101	0011	10
42240	17.6	704	0000	0110	10	48720	20.3	812	0110	1001	10	55200	23.0	920	0011	0011	10
42360		706	1000	0110	10	48840		814	1110	1001	10	55320		922	1011	0011	10
42480	17.7	708	0100	0110	10	48960	20.4	816	0001	1001	10	55440	23.1	924	0111	0011	10
42600		710	1100	0110	10	49080		818	1001	1001	10	55560		926	1111	0011	10
42720	17.8	712	0010	0110	10	49200	20.5	820	0101	1001	10	55680	23.2	928	0000	1011	10
42840		714	1010	0110	10	49320		822	1101	1001	10	55800		930	1000	1011	10
42960	17.9	716	0110	0110	10	49440	20.6	824	0011	1001	10	55920	23.3	932	0100	1011	10
43080		718	1110	0110	10	49560		826	1011	1001	10	56040		934	1100	1011	10
43200	18.0	720	0001	0110	10	49680	20.7	828	0111	1001	10	56160	23.4	936	0010	1011	10
43320		722	1001	0110	10	49800		830	1111	1001	10	56280		938	1010	1011	10
43440	18.1	724	0101	0110	10	49920	20.8	832	0000	0101	10	56400	23.5	940	0110	1011	10
43560		726	1101	0110	10	50040		834	1000	0101	10	56520		942	1110	1011	10
43680	18.2	728	0011	0110	10	50160	20.9	836	0100	0101	10	56640	23.6	944	0001	1011	10
43800		730	1011	0110	10	50280		838	1100	0101	10	56760		946	1001	1011	10
43920	18.3	732	0111	0110	10	50400	21.0	840	0010	0101	10	56880	23.7	948	0101	1011	10
44040		734	1111	0110	10	50520		842	1010	0101	10	57000		950	1101	1011	10
44160	18.4	736	0000	1110	10	50640	21.1	844	0110	0101	10	57120	23.8	952	0011	1011	10
44280		738	1000	1110	10	50760		846	1110	0101	10	57240		954	1011	1011	10
44400	18.5	740	0100	1110	10	50880	21.2	848	0001	0101	10	57360	23.9	956	0111	1011	10
44520		742	1100	1110	10	51000		850	1001	0101	10	57480		958	1111	1011	10
44640	18.6	744	0010	1110	10	51120	21.3	852	0101	0101	10	57600	24.0	960	0000	0111	10
44760		746	1010	1110	10	51240		854	1101	0101	10	57720		962	1000	0111	10
44880	18.7	748	0110	1110	10	51360	21.4	856	0011	0101	10	57840	24.1	964	0100	0111	10
45000		750	1110	1110	10	51480		858	1011	0101	10	57960		966	1100	0111	10
45120	18.8	752	0001	1110	10	51600	21.5	860	0111	0101	10	58080	24.2	968	0010	0111	10
45240		754	1001	1110	10	51720		862	1111	0101	10	58200		970	1010	0111	10
45360	18.9	756	0101	1110	10	51840	21.6	864	0000	1101	10	58320	24.3	972	0110	0111	10
45480		758	1101	1110	10	51960		866	1000	1101	10	58440		974	1110	0111	10
45600	19.0	760	0011	1110	10	52080	21.7	868	0100	1101	10	58560	24.4	976	0001	0111	10
45720		762	1011	1110	10	52200		870	1100	1101	10	58680		978	1001	0111	10
45840	19.1	764	0111	1110	10	52320	21.8	872	0010	1101	10	58800	24.5	980	0101	0111	10
45960		766	1111	1110	10	52440		874	1010	1101	10	58920		982	1101	0111	10
46080	19.2	768	0000	0001	10	52560	21.9	876	0110	1101	10	59040	24.6	984	0011	0111	10
46200		770	1000	0001	10	52680		878	1110	1101	10	59160		986	1011	0111	10
46320	19.3	772	0100	0001	10	52800	22.0	880	0001	1101	10	59280	24.7	988	0111	0111	10
46440		774	1100	0001	10	52920		882	1001	1101	10	59400		990	1111	0111	10

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PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #									
IOR		0123 4567 89	IOR		0123 4567 89	IOR		0123 4567 89									
59520	24.8	992	0000	1111	10	65760	27.4	1096	0010	0100	01	72090	30.0	1200	0001	1010	01
59640		994	1000	1111	10	65880		1098	1010	0100	01	72120		1202	1001	1010	01
59760	24.9	996	0100	1111	10	66000	27.5	1100	0110	0100	01	72240	30.1	1204	0101	1010	01
59880		998	1100	1111	10	66120		1102	1110	0100	01	72360		1206	1101	1010	01
60000	25.0	1000	0010	1111	10	66240	27.6	1104	0001	0100	01	72480	30.2	1208	0011	1010	01
60120		1002	1010	1111	10	66360		1106	1001	0100	01	72600		1210	1011	1010	01
60240	25.1	1004	0110	1111	10	66480	27.7	1108	0101	0100	01	72720	30.3	1212	0111	1010	01
60360		1006	1110	1111	10	66600		1110	1101	0100	01	72840		1214	1111	1010	01
60480	25.2	1008	0001	1111	10	66720	27.8	1112	0011	0100	01	72960	30.4	1216	0000	0110	01
60600		1010	1001	1111	10	66840		1114	1011	0100	01	73080		1218	1000	0110	01
60720	25.3	1012	0101	1111	10	66960	27.9	1116	0111	0100	01	73200	30.5	1220	0100	0110	01
60840		1014	1101	1111	10	67080		1118	1111	0100	01	73320		1222	1100	0110	01
60960	25.4	1016	0011	1111	10	67200	28.0	1120	0000	1100	01	73440	30.6	1224	0010	0110	01
61080		1018	1011	1111	10	67320		1122	1000	1100	01	73560		1226	1010	0110	01
61200	25.5	1020	0111	1111	10	67440	28.1	1124	0100	1100	01	73680	30.7	1228	0110	0110	01
61320		1022	1111	1111	10	67560		1126	1100	1100	01	73800		1230	1110	0110	01
61440	25.6	1024	0000	0000	01	67680	28.2	1128	0010	1100	01	73920	30.8	1232	0001	0110	01
61560		1026	1000	0000	01	67800		1130	1010	1100	01	74040		1234	1001	0110	01
61680	25.7	1028	0100	0000	01	67920	28.3	1132	0110	1100	01	74160	30.9	1236	0101	0110	01
61800		1030	1100	0000	01	68040		1134	1110	1100	01	74280		1238	1101	0110	01
61920	25.8	1032	0010	0000	01	68160	28.4	1136	0001	1100	01	74400	31.0	1240	0011	0110	01
62040		1034	1010	0000	01	68280		1138	1001	1100	01	74520		1242	1011	0110	01
62160	25.9	1036	0110	0000	01	68400	28.5	1140	0101	1100	01	74640	31.1	1244	0111	0110	01
62280		1038	1110	0000	01	68520		1142	1101	1100	01	74760		1246	1111	0110	01
62400	26.0	1040	0001	0000	01	68640	28.6	1144	0011	1100	01	74880	31.2	1248	0000	1110	01
62520		1042	1001	0000	01	68760		1146	1011	1100	01	75000		1250	1000	1110	01
62640	26.1	1044	0101	0000	01	68880	28.7	1148	0111	1100	01	75120	31.3	1252	0100	1110	01
62760		1046	1101	0000	01	69000		1150	1111	1100	01	75240		1254	1100	1110	01
62880	26.2	1048	0011	0000	01	69120	28.8	1152	0000	0010	01	75360	31.4	1256	0010	1110	01
63000		1050	1011	0000	01	69240		1154	1000	0010	01	75480		1258	1010	1110	01
63120	26.3	1052	0111	0000	01	69360	28.9	1156	0100	0010	01	75600	31.5	1260	0110	1110	01
63240		1054	1111	0000	01	69480		1158	1100	0010	01	75720		1262	1110	1110	01
63360	26.4	1056	0000	1000	01	69600	29.0	1160	0010	0010	01	75840	31.6	1264	0001	1110	01
63480		1058	1000	1000	01	69720		1162	1010	0010	01	75960		1266	1001	1110	01
63600	26.5	1060	0100	1000	01	69840	29.1	1164	0110	0010	01	76080	31.7	1268	0101	1110	01
63720		1062	1100	1000	01	69960		1166	1110	0010	01	76200		1270	1101	1110	01
63840	26.6	1064	0010	1000	01	70080	29.2	1168	0001	0010	01	76320	31.8	1272	0011	1110	01
63960		1066	1010	1000	01	70200		1170	1001	0010	01	76440		1274	1011	1110	01
64080	26.7	1068	0110	1000	01	70320	29.3	1172	0101	0010	01	76560	31.9	1276	0111	1110	01
64200		1070	1110	1000	01	70440		1174	1101	0010	01	76680		1278	1111	1110	01
64320	26.8	1072	0001	1000	01	70560	29.4	1176	0011	0010	01	76800	32.0	1280	0000	0001	01
64440		1074	1001	1000	01	70680		1178	1011	0010	01	76920		1282	1000	0001	01
64560	26.9	1076	0101	1000	01	70800	29.5	1180	0111	0010	01	77040	32.1	1284	0100	0001	01
64680		1078	1101	1000	01	70920		1182	1111	0010	01	77160		1286	1100	0001	01
64800	27.0	1080	0011	1000	01	71040	29.6	1184	0000	1010	01	77280	32.2	1288	0010	0001	01
64920		1082	1011	1000	01	71160		1186	1000	1010	01	77400		1290	1010	0001	01
65040	27.1	1084	0111	1000	01	71280	29.7	1188	0100	1010	01	77520	32.3	1292	0110	0001	01
65160		1086	1111	1000	01	71400		1190	1100	1010	01	77640		1294	1110	0001	01
65280	27.2	1088	0000	0100	01	71520	29.8	1192	0010	1010	01	77760	32.4	1296	0001	0001	01
65400		1090	1000	0100	01	71640		1194	1010	1010	01	77880		1298	1001	0001	01
65520	27.3	1092	0100	0100	01	71760	29.9	1196	0110	1010	01	78000	32.5	1300	0101	0001	01
65640		1094	1100	0100	01	71880		1198	1110	1010	01	78120		1302	1101	0001	01

PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #			
IOR			IOR			IOR					
0123 4567 89			0123 4567 89			0123 4567 89					
79240	32.6	1304	0911	0001	01	91200	38.0	1520	0001	1111	01
79350		1306	1011	0001	01	91320		1522	1001	1111	01
79490	32.7	1308	0111	0001	01	91440	38.1	1524	0101	1111	01
79500		1310	1111	0001	01	91560		1526	1101	1111	01
79720	32.8	1312	0000	1001	01	91680	38.2	1528	0011	1111	01
79840		1314	1000	1001	01	91800		1530	1011	1111	01
79950	32.9	1316	0100	1001	01	91920	38.3	1532	0111	1111	01
79080		1318	1100	1001	01	92040		1534	1111	1111	01
79200	33.0	1320	0010	1001	01	92160	38.4	1536	0000	0000	11
79320		1322	1010	1001	01	92280		1538	1000	0000	11
79440	33.1	1324	0110	1001	01	92400	38.5	1540	0100	0000	11
79560		1326	1110	1001	01	92520		1542	1100	0000	11
79680	33.2	1328	0001	1001	01	92640	38.6	1544	0010	0000	11
79800		1330	1001	1001	01	92760		1546	1010	0000	11
79920	33.3	1332	0101	1001	01	92880	38.7	1548	0110	0000	11
80040		1334	1101	1001	01	93000		1550	1110	0000	11
80160	33.4	1336	0011	1001	01	93120	38.8	1552	0091	0000	11
80280		1338	1011	1001	01	93240		1554	1001	0000	11
80400	33.5	1340	0111	1001	01	93360	38.9	1556	0101	0000	11
80520		1342	1111	1001	01	93480		1558	1101	0000	11
80640	33.6	1344	0000	0101	01	93600	39.0	1560	0011	0000	11
80760		1346	1000	0101	01	93720		1562	1011	0000	11
80880	33.7	1348	0100	0101	01	93840	39.1	1564	0111	0000	11
81000		1350	1100	0101	01	93960		1566	1111	0000	11
81120	33.8	1352	0010	0101	01	94080	39.2	1568	0090	1000	11
81240		1354	1010	0101	01	94200		1570	1000	1000	11
81360	33.9	1356	0110	0101	01	94320	39.3	1572	0100	1000	11
81480		1358	1110	0101	01	94440		1574	1100	1000	11
81600	34.0	1360	0001	0101	01	94560	39.4	1576	0010	1000	11
81720		1362	1001	0101	01	94680		1578	1010	1000	11
81840	34.1	1364	0101	0101	01	94800	39.5	1580	0110	1000	11
81960		1366	1101	0101	01	94920		1582	1110	1000	11
82080	34.2	1368	0011	0101	01	95040	39.6	1584	0001	1000	11
82200		1370	1011	0101	01	95160		1586	1001	1000	11
82320	34.3	1372	0111	0101	01	95280	39.7	1588	0101	1000	11
82440		1374	1111	0101	01	95400		1590	1101	1000	11
82560	34.4	1376	0000	1101	01	95520	39.8	1592	0011	1000	11
82680		1378	1000	1101	01	95640		1594	1011	1000	11
82800	34.5	1380	0100	1101	01	95760	39.9	1596	0111	1000	11
82920		1382	1100	1101	01	95880		1598	1111	1000	11
83040	34.6	1384	0010	1101	01	96000	40.0	1600	0000	0100	11
83160		1386	1010	1101	01	96120		1602	1000	0100	11
83280	34.7	1388	0110	1101	01	96240	40.1	1604	0100	0100	11
83400		1390	1110	1101	01	96360		1606	1100	0100	11
83520	34.8	1392	0001	1101	01	96480	40.2	1608	0010	0100	11
83640		1394	1001	1101	01	96600		1610	1010	0100	11
83760	34.9	1396	0101	1101	01	96720	40.3	1612	0110	0100	11
83880		1398	1101	1101	01	96840		1614	1110	0100	11
84000	35.0	1400	0011	1101	01	96960	40.4	1616	0001	0100	11
84120		1402	1011	1101	01	97080		1618	1001	0100	11
84240	35.1	1404	0111	1101	01	97200	40.5	1620	0101	0100	11
84360		1406	1111	1101	01	97320		1622	1101	0100	11
84480	35.2	1408	0000	0011	01	97440	40.6	1624	0011	0100	11
84600		1410	1000	0011	01	97560		1626	1011	0100	11
84720	35.3	1412	0100	0011	01						
84840		1414	1100	0011	01						
84960	35.4	1416	0010	0011	01						
85080		1418	1010	0011	01						
85200	35.5	1420	0110	0011	01						
85320		1422	1110	0011	01						
85440	35.6	1424	0001	0011	01						
85560		1426	1001	0011	01						
85680	35.7	1428	0101	0011	01						
85800		1430	1101	0011	01						
85920	35.8	1432	0011	0011	01						
86040		1434	1011	0011	01						
86160	35.9	1436	0111	0011	01						
86280		1438	1111	0011	01						
86400	36.0	1440	0000	1011	01						
86520		1442	1000	1011	01						
86640	36.1	1444	0100	1011	01						
86760		1446	1100	1011	01						
86880	36.2	1448	0010	1011	01						
87000		1450	1010	1011	01						
87120	36.3	1452	0110	1011	01						
87240		1454	1110	1011	01						
87360	36.4	1456	0001	1011	01						
87480		1458	1001	1011	01						
87600	36.5	1460	0101	1011	01						
87720		1462	1101	1011	01						
87840	36.6	1464	0011	1011	01						
87960		1466	1011	1011	01						
88080	36.7	1468	0111	1011	01						
88200		1470	1111	1011	01						
88320	36.8	1472	0000	0111	01						
88440		1474	1000	0111	01						
88560	36.9	1476	0100	0111	01						
88680		1478	1100	0111	01						
88800	37.0	1480	0010	0111	01						
88920		1482	1010	0111	01						
89040	37.1	1484	0110	0111	01						
89160		1486	1110	0111	01						
89280	37.2	1488	0001	0111	01						
89400		1490	1001	0111	01						
89520	37.3	1492	0101	0111	01						
89640		1494	1101	0111	01						
89760	37.4	1496	0011	0111	01						
89880		1498	1011	0111	01						
90000	37.5	1500	0111	0111	01						
90120		1502	1111	0111	01						
90240	37.6	1504	0000	1111	01						
90360		1506	1000	1111	01						
90480	37.7	1508	0100	1111	01						
90600		1510	1100	1111	01						
90720	37.8	1512	0010	1111	01						
90840		1514	1010	1111	01						
90960	37.9	1516	0110	1111	01						
91080		1518	1110	1111	01						

# INSTALLATION INSTRUCTIONS

PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #									
IOR		0123 4567 89	IOR		0123 4567 89	IOR		0123 4567 89									
97680	40.7	1628	0111	0100	11	103920	43.3	1732	0100	0110	11	110160	45.9	1836	0110	1001	11
97800		1630	1111	0100	11	104040		1734	1100	0110	11	110280		1838	1110	1001	11
97920	40.8	1632	0000	1100	11	104160	43.4	1736	0010	0110	11	110400	46.0	1840	0001	1001	11
98040		1634	1000	1100	11	104280		1738	1010	0110	11	110520		1842	1001	1001	11
98160	40.9	1636	0100	1100	11	104400	43.5	1740	0110	0110	11	110640	46.1	1844	0101	1001	11
98280		1638	1100	1100	11	104520		1742	1110	0110	11	110760		1846	1101	1001	11
98400	41.0	1640	0010	1100	11	104640	43.6	1744	0001	0110	11	110880	46.2	1848	0011	1001	11
98520		1642	1010	1100	11	104760		1746	1001	0110	11	111000		1850	1011	1001	11
98640	41.1	1644	0110	1100	11	104880	43.7	1748	0101	0110	11	111120	46.3	1852	0111	1001	11
98760		1646	1110	1100	11	105000		1750	1101	0110	11	111240		1854	1111	1001	11
98880	41.2	1648	0001	1100	11	105120	43.8	1752	0011	0110	11	111360	46.4	1856	0000	0101	11
99000		1650	1001	1100	11	105240		1754	1011	0110	11	111480		1858	1000	0101	11
99120	41.3	1652	0101	1100	11	105360	43.9	1756	0111	0110	11	111600	46.5	1860	0100	0101	11
99240		1654	1101	1100	11	105480		1758	1111	0110	11	111720		1862	1100	0101	11
99360	41.4	1656	0011	1100	11	105600	44.0	1760	0000	1110	11	111840	46.6	1864	0010	0101	11
99480		1658	1011	1100	11	105720		1762	1000	1110	11	111960		1866	1010	0101	11
99600	41.5	1660	0111	1100	11	105840	44.1	1764	0100	1110	11	112080	46.7	1868	0110	0101	11
99720		1662	1111	1100	11	105960		1766	1100	1110	11	112200		1870	1110	0101	11
99840	41.6	1664	0000	0010	11	106080	44.2	1768	0010	1110	11	112320	46.8	1872	0001	0101	11
99960		1666	1000	0010	11	106200		1770	1010	1110	11	112440		1874	1001	0101	11
100080	41.7	1668	0100	0010	11	106320	44.3	1772	0110	1110	11	112560	46.9	1876	0101	0101	11
100200		1670	1100	0010	11	106440		1774	1110	1110	11	112680		1878	1101	0101	11
100320	41.8	1672	0010	0010	11	106560	44.4	1776	0001	1110	11	112800	47.0	1880	0011	0101	11
100440		1674	1010	0010	11	106680		1778	1001	1110	11	112920		1882	1011	0101	11
100560	41.9	1676	0110	0010	11	106800	44.5	1780	0101	1110	11	113040	47.1	1884	0111	0101	11
100680		1678	1110	0010	11	106920		1782	1101	1110	11	113160		1886	1111	0101	11
100800	42.0	1680	0001	0010	11	107040	44.6	1784	0011	1110	11	113280	47.2	1888	0000	1101	11
100920		1682	1001	0010	11	107160		1786	1011	1110	11	113400		1890	1000	1101	11
101040	42.1	1684	0101	0010	11	107280	44.7	1788	0111	1110	11	113520	47.3	1892	0100	1101	11
101160		1686	1101	0010	11	107400		1790	1111	1110	11	113640		1894	1100	1101	11
101280	42.2	1688	0011	0010	11	107520	44.8	1792	0000	0001	11	113760	47.4	1896	0010	1101	11
101400		1690	1011	0010	11	107640		1794	1000	0001	11	113880		1898	1010	1101	11
101520	42.3	1692	0111	0010	11	107760	44.9	1796	0100	0001	11	114000	47.5	1900	0110	1101	11
101640		1694	1111	0010	11	107880		1798	1100	0001	11	114120		1902	1110	1101	11
101760	42.4	1696	0000	1010	11	108000	45.0	1800	0010	0001	11	114240	47.6	1904	0001	1101	11
101880		1698	1000	1010	11	108120		1802	1010	0001	11	114360		1906	1001	1101	11
102000	42.5	1700	0100	1010	11	108240	45.1	1804	0110	0001	11	114480	47.7	1908	0101	1101	11
102120		1702	1100	1010	11	108360		1806	1110	0001	11	114600		1910	1101	1101	11
102240	42.6	1704	0010	1010	11	108480	45.2	1808	0001	0001	11	114720	47.8	1912	0011	1101	11
102360		1706	1010	1010	11	108600		1810	1001	0001	11	114840		1914	1011	1101	11
102480	42.7	1708	0110	1010	11	108720	45.3	1812	0101	0001	11	114960	47.9	1916	0111	1101	11
102600		1710	1110	1010	11	108840		1814	1101	0001	11	115080		1918	1111	1101	11
102720	42.8	1712	0001	1010	11	108960	45.4	1816	0011	0001	11	115200	48.0	1920	0000	0011	11
102840		1714	1001	1010	11	109080		1818	1011	0001	11	115320		1922	1000	0011	11
102960	42.9	1716	0101	1010	11	109200	45.5	1820	0111	0001	11	115440	48.1	1924	0100	0011	11
103080		1718	1101	1010	11	109320		1822	1111	0001	11	115560		1926	1100	0011	11
103200	43.0	1720	0011	1010	11	109440	45.6	1824	0000	1001	11	115680	48.2	1928	0010	0011	11
103320		1722	1011	1010	11	109560		1826	1000	1001	11	115800		1930	1010	0011	11
103440	43.1	1724	0111	1010	11	109680	45.7	1828	0100	1001	11	115920	48.3	1932	0110	0011	11
103560		1726	1111	1010	11	109800		1830	1100	1001	11	116040		1934	1110	0011	11
103680	43.2	1728	0000	0110	11	109920	45.8	1832	0010	1001	11	116160	48.4	1936	0001	0011	11
103800		1730	1000	0110	11	110040		1834	1010	1001	11	116280		1938	1001	0011	11

PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #	PULSES PER MILE	60 MPH (HZ)	CODE SWITCH LEVER #									
IOR			IOR			IOR											
0123 4567 89			0123 4567 89			0123 4567 89											
115400	48.5	1940	0101	0011	11	118560	49.4	1976	0011	1011	11	120720	50.3	2012	0111	0111	11
116520		1942	1101	0011	11	118680		1978	1011	1011	11	120840		2014	1111	0111	11
115640	48.6	1944	0011	0011	11	118800	49.5	1980	0111	1011	11	120960	50.4	2016	0000	1111	11
115760		1946	1011	0011	11	118920		1982	1111	1011	11	121080		2018	1000	1111	11
115880	48.7	1948	0111	0011	11	119040	49.6	1984	0000	0111	11	121200	50.5	2020	0100	1111	11
117000		1950	1111	0011	11	119160		1986	1000	0111	11	121320		2022	1100	1111	11
117120	48.8	1952	0000	1011	11	119280	49.7	1988	0100	0111	11	121440	50.6	2024	0010	1111	11
117240		1954	1000	1011	11	119400		1990	1100	0111	11	121560		2026	1010	1111	11
117360	48.9	1956	0100	1011	11	119520	49.8	1992	0010	0111	11	121680	50.7	2028	0110	1111	11
117480		1958	1100	1011	11	119640		1994	1010	0111	11	121800		2030	1110	1111	11
117600	49.0	1960	0010	1011	11	119760	49.9	1996	0110	0111	11	121920	50.8	2032	0001	1111	11
117720		1962	1010	1011	11	119880		1998	1110	0111	11	122040		2034	1001	1111	11
117840	49.1	1964	0110	1011	11	120000	50.0	2000	0001	0111	11	122160	50.9	2036	0101	1111	11
117960		1966	1110	1011	11	120120		2002	1001	0111	11	122280		2038	1101	1111	11
118080	49.2	1968	0001	1011	11	120240	50.1	2004	0101	0111	11	122400	51.0	2040	0011	1111	11
118200		1970	1001	1011	11	120360		2006	1101	0111	11	122520		2042	1011	1111	11
118320	49.3	1972	0101	1011	11	120480	50.2	2008	0011	0111	11	122640	51.1	2044	0111	1111	11
118440		1974	1101	1011	11	120600		2010	1011	0111	11	122760		2046	1111	1111	11