



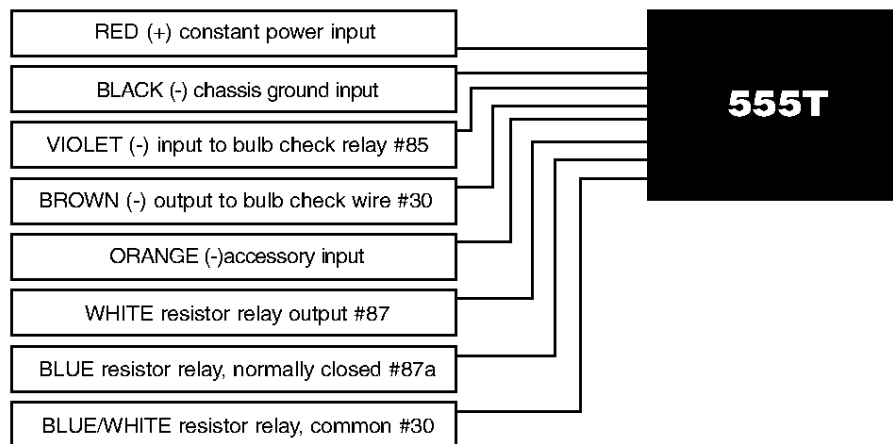
555T General Motors Passlock Interface Module

The 555T General Motors Passlock interface module is used when installing remote start products in GM vehicles equipped with Passlock I and Passlock II anti-theft systems. The 555T allows easy interfacing while maintaining the OEM system's integrity. The 555T interfaces with the Passlock systems by providing the proper resistor code (R-Code) at the appropriate time. It will also provide, when necessary, a negative signal to the "bulb check" wire. The 555T has no effect on the Passlock system when the remote start is not in use. The factory Passlock anti-theft system remains fully functional.

PASSLOCK SYSTEM DETAILS

The GM Passlock system is a key-based, fuel shutdown, anti-theft system. The system requires that the key cylinder be mechanically turned using a key. When the key cylinder is properly turned, it generates the R-Code, which is sent to the Instrument Panel Cluster (IPC). The IPC, which houses the Passlock decoder, then interprets the signal. Unlike the Passkey system, Passlock must see the correct resistance code at the correct time. The Passlock I system uses a wire referred to as the "bulb check" wire to activate the IPC module, this wire is not present in the Passlock II system. In the Passlock I system, the "bulb check" wire is switched to ground when the ignition switch is turned to the crank position. This starts a time window during which the IPC analyzes the R-Code. If the R-Code is valid and received in the proper window of time, the IPC sends a code via data bus to the Powertrain Control Module (PCM) to enable the fuel system. The vehicle will then start and stay running. If the R-Code is incorrect, the vehicle will start and run for a moment and then shut off.

PASSLOCK I WIRING DIAGRAM



WIRE CONNECTION GUIDE FOR PASSLOCK I

RED (+) constant power input: Connect to a fused source of constant 12V.

BLACK (-) chassis ground input: Connect this wire to a paint-free surface on the vehicle chassis. Use a factory bolt if possible.

VIOLET (-) input to bulb check relay #85: Connect this wire to the violet ribbon cable wire on the DEI remote start relay satellite or a wire from the remote start system which provides (-) ground only while the vehicle is cranking.

BROWN (-) output to bulb check wire #30: Connect this wire to the 20 gauge black "bulb check" wire in the ignition switch power harness. This wire will test (-) ground when the ignition switch is turned to the start position. Do not connect to the black wire in the three wire Passlock cable.

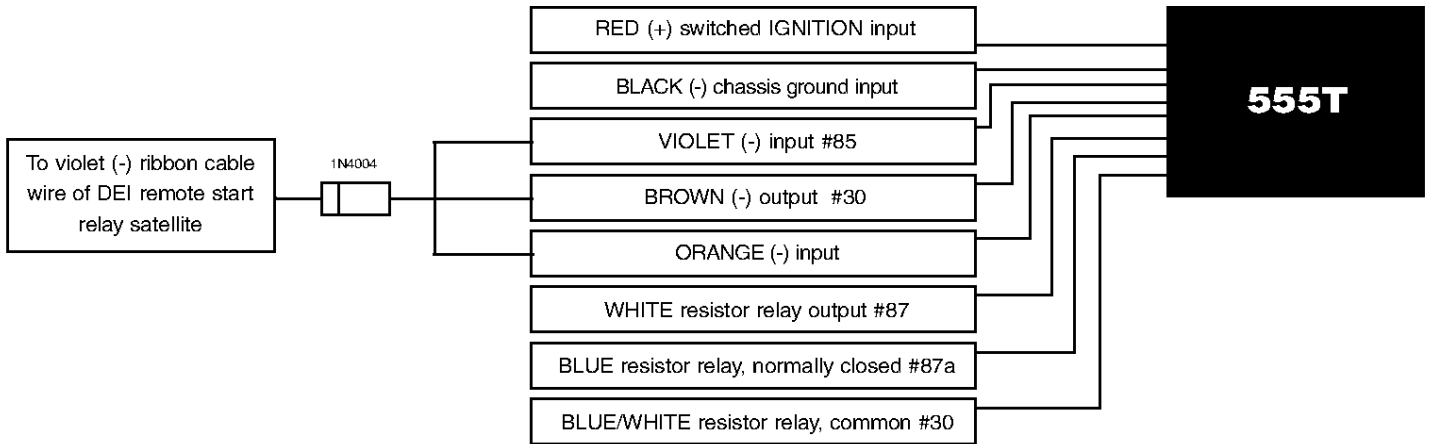
ORANGE (-) accessory input: Connect this wire to the ORANGE ribbon cable wire on the DEI remote start relay satellite or a wire from the remote start system which provides (-) ground before and after the vehicle starts but not during cranking.

WHITE resistor relay output #87: This wire will apply the selected resistor value to the Passlock system. Connect this wire to the ground wire in the three-wire Passlock cable in the vehicle.

BLUE resistor relay, normally closed #87a: Connect this wire ignition switch side of the resistance wire in the three-wire Passlock cable in the vehicle.

BLUE/WHITE resistor relay, common #30: Connect this wire to the side of the resistance facing wire away from the ignition switch. This wire is located in the vehicle's three-wire Passlock cable.

PASSLOCK II WIRING DIAGRAM



WIRE CONNECTION GUIDE FOR PASSLOCK II

RED (+) switched IGNITION input: Connect to a fused 12V switched IGNITION source.

BLACK (-) chassis ground input: Connect this wire to a paint-free surface on the vehicle chassis. Use a factory bolt if possible.

VIOLET, BROWN, ORANGE (-) starter input: Connect these wires to the VIOLET ribbon cable wire on the DEI remote start relay satellite of a wire from the remote start system which provides (-) ground only while the vehicle is cranking.

NOTE: Be sure to place the diode in series as shown in the diagram above.

WHITE resistor relay output #87: This wire will apply the selected resistor value to the Passlock system. Connect this wire to the ground wire of the Passlock system.

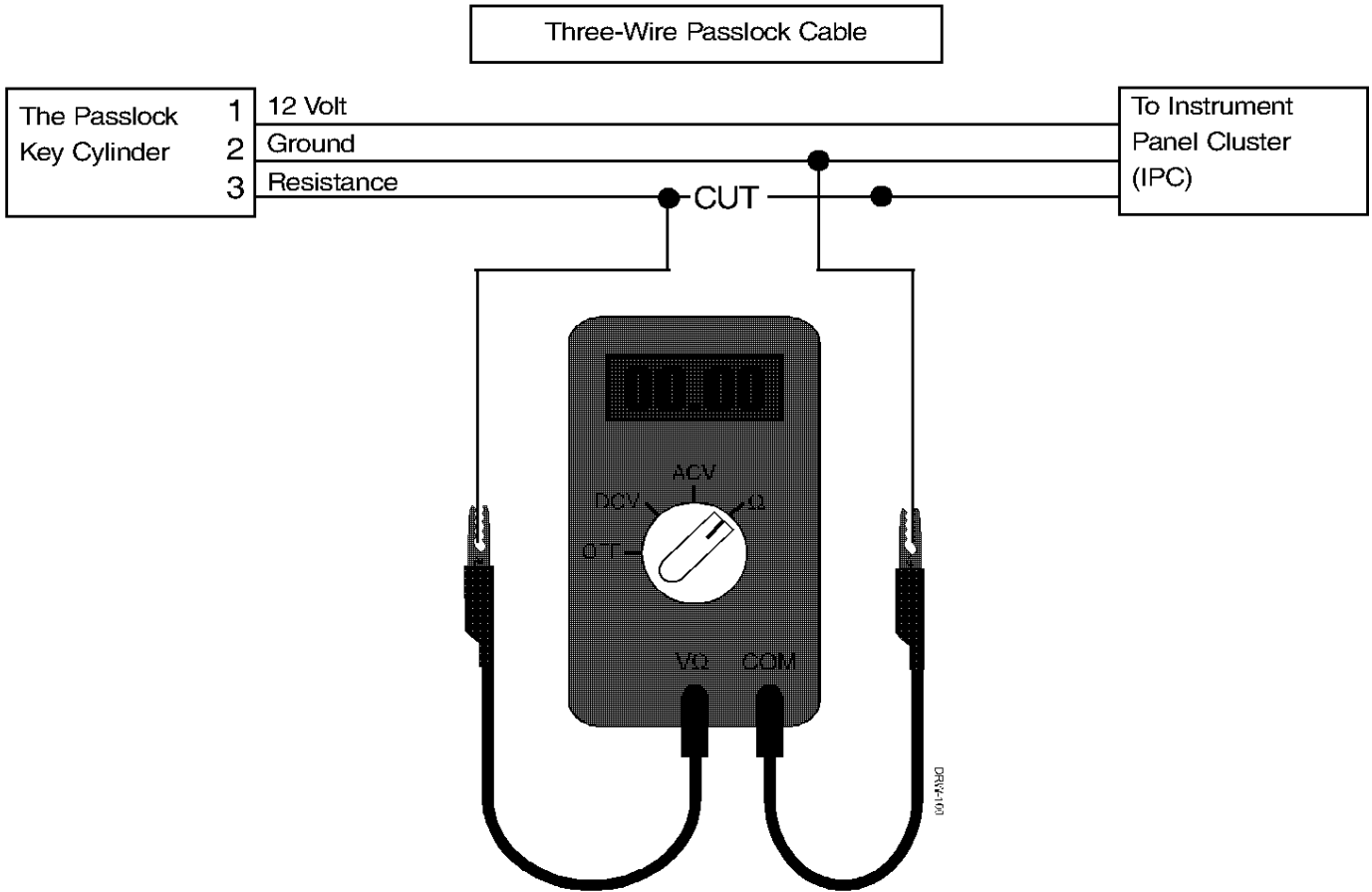
BLUE resistor relay, normally closed #87a: Connect this wire to the ignition switch side of the resistance wire of the Passlock system.

BLUE/WHITE resistor relay, common #30: Connect this wire to the side of the resistance wire facing away from the ignition switch. This wire is located in the vehicle's three-wire Passlock cable.

	Passlock	12 Volt	Ground	Resistance	Bulb Check
Achieva	I	White(White/Black)	Black	Yellow(Black)	Yes
Sunfire	I	White(White/Black)	Black	Yellow(Black)	Yes
Cutlass	II	White	Black	Yellow	No
Skylark	I	White(White/Black)	Black	Yellow(Black)	Yes
Malibu	II	White	Black	Yellow	No
Trucks, Vans & SUVs	II	Red/White	Orange/ Black	Yellow	No
Grand AM	I	White(White/Black)	Black	Yellow(Black)	Yes
Cavalier	I	White(White/Black)	Black	Yellow(Black)	Yes
Intrigue	II	White	Black	Yellow	No

NOTE: The above vehicle application chart lists vehicles known to have the Passlock system at the time of publication of this document. GM vehicles not included in this chart may have the Passlock system. Please call DEI Technical Service for details.

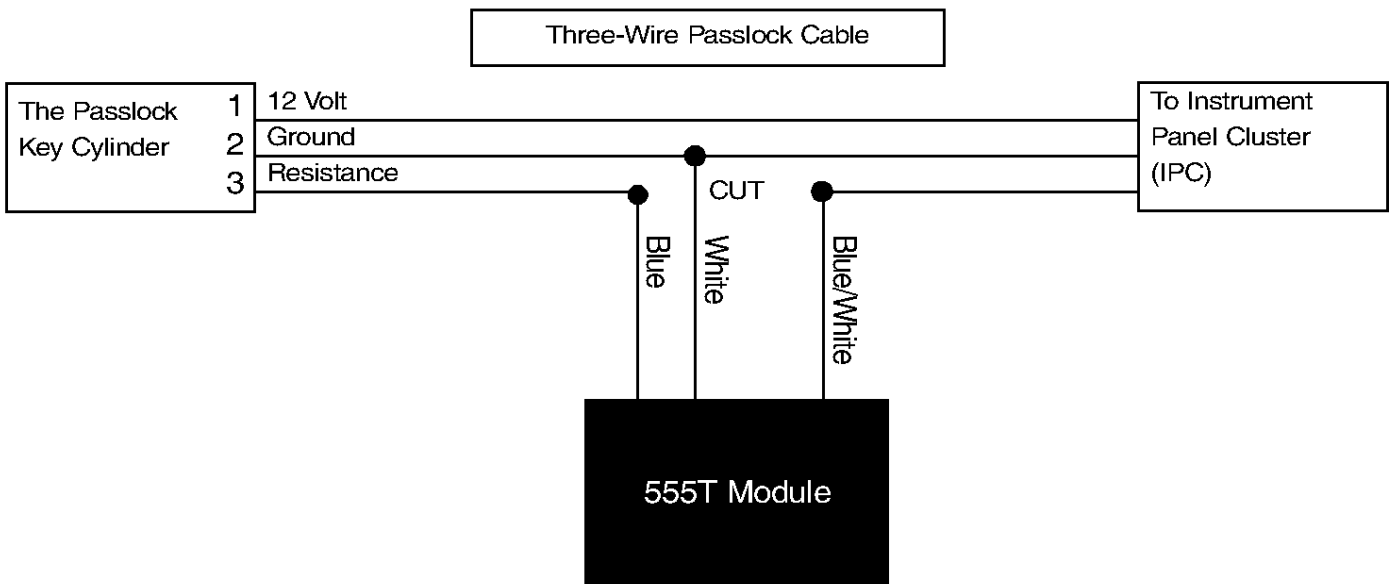
TESTING FOR THE RESISTOR VALUE (R-CODE)



For Passlock I: Turn the ignition key to the run position to read the proper R-Code.

For Passlock II: Turn the ignition key to the CRANK position momentarily, but not long enough to start the vehicle then back to the RUN position. This will activate the R-Code.

MAKING THE CONNECTIONS



DIPSWITCH SETTINGS

The 555T has ten dip switches that are used to select the proper resistor value. Find the necessary resistor value in the chart and then set the switches as shown in the chart. Although the highest quality resistors have been used, some variance is possible. If the selected resistor value does not work in the vehicle, try the next higher or lower setting. If that still does not work, re-measure the resistor value.

NOTE: The system may lock up if the wrong resistor value is used. In that case, the vehicle will not start, even if the key is used. See the Troubleshooting Section for details.

LEGEND

1 = UP
0 = DOWN



1	2	3	4	5	6	7	8	9=0, 10=0	9=1, 10=0	9=0, 10=1	9=1, 10=1
0	0	0	0	0	0	0	0	0	6650	13300	19950
1	0	0	0	0	0	0	0	26	6676	13326	19976
0	1	0	0	0	0	0	0	51	6701	13351	20001
1	1	0	0	0	0	0	0	77	6727	13377	20027
0	0	1	0	0	0	0	0	102	6752	13402	20052
1	0	1	0	0	0	0	0	128	6778	13428	20078
0	1	1	0	0	0	0	0	153	6803	13453	20103
1	1	1	0	0	0	0	0	179	6829	13479	20129
0	0	0	1	0	0	0	0	205	6855	13505	20155
1	0	0	1	0	0	0	0	231	6881	13531	20181
0	1	0	1	0	0	0	0	256	6906	13556	20206
1	1	0	1	0	0	0	0	282	6932	13582	20232
0	0	1	1	0	0	0	0	307	6957	13607	20257
1	0	1	1	0	0	0	0	333	6983	13633	20283
0	1	1	1	0	0	0	0	358	7008	13658	20308
1	1	1	1	0	0	0	0	384	7034	13684	20334
0	0	0	0	1	0	0	0	412	7062	13712	20362
1	0	0	0	1	0	0	0	438	7088	13738	20388
0	1	0	0	1	0	0	0	463	7113	13763	20413
1	1	0	0	1	0	0	0	489	7139	13789	20439
0	0	1	0	1	0	0	0	514	7164	13814	20464
1	0	1	0	1	0	0	0	540	7190	13840	20490
0	1	1	0	1	0	0	0	565	7215	13865	20515
1	1	1	0	1	0	0	0	591	7241	13891	20541
0	0	0	1	1	0	0	0	617	7267	13917	20567
1	0	0	1	1	0	0	0	643	7293	13943	20593
0	1	0	1	1	0	0	0	668	7318	13968	20618
1	1	0	1	1	0	0	0	694	7344	13994	20644
0	0	1	1	1	0	0	0	719	7369	14019	20669
1	0	1	1	1	0	0	0	745	7395	14045	20695
0	1	1	1	1	0	0	0	770	7420	14070	20720
1	1	1	1	1	0	0	0	796	7446	14096	20746
0	0	0	0	0	1	0	0	825	7475	14125	20775
1	0	0	0	0	1	0	0	851	7501	14151	20801
0	1	0	0	0	1	0	0	876	7526	14176	20826
1	1	0	0	0	1	0	0	902	7552	14202	20852
0	0	1	0	0	1	0	0	927	7577	14227	20877

1	2	3	4	5	6	7	8	9=0, 10=0	9=1, 10=0	9=0, 10=1	9=1, 10=1
1	0	1	0	0	1	0	0	953	7603	14253	20903
0	1	1	0	0	1	0	0	978	7628	14278	20928
1	1	1	0	0	1	0	0	1004	7654	14304	20954
0	0	0	1	0	1	0	0	1030	7680	14330	20980
1	0	0	1	0	1	0	0	1056	7706	14356	21006
0	1	0	1	0	1	0	0	1081	7731	14381	21031
1	1	0	1	0	1	0	0	1107	7757	14407	21057
0	0	1	1	0	1	0	0	1132	7782	14432	21082
1	0	1	1	0	1	0	0	1158	7808	14458	21108
0	1	1	1	0	1	0	0	1183	7833	14483	21133
1	1	1	1	0	1	0	0	1209	7859	14509	21159
0	0	0	0	1	1	0	0	1237	7887	14537	21187
1	0	0	0	1	1	0	0	1263	7913	14563	21213
0	1	0	0	1	1	0	0	1288	7938	14588	21238
1	1	0	0	1	1	0	0	1314	7964	14614	21264
0	0	1	0	1	1	0	0	1339	7989	14639	21289
1	0	1	0	1	1	0	0	1365	8015	14665	21315
0	1	1	0	1	1	0	0	1390	8040	14690	21340
1	1	1	0	1	1	0	0	1416	8066	14716	21366
0	0	0	1	1	1	0	0	1442	8092	14742	21392
1	0	0	1	1	1	0	0	1468	8118	14768	21418
0	1	0	1	1	1	0	0	1493	8143	14793	21443
1	1	0	1	1	1	0	0	1519	8169	14819	21469
0	0	1	1	1	1	0	0	1544	8194	14844	21494
1	0	1	1	1	1	0	0	1570	8220	14870	21520
0	1	1	1	1	1	0	0	1595	8245	14895	21545
1	1	1	1	1	1	0	0	1621	8271	14921	21571
0	0	0	0	0	0	1	0	1650	8300	14950	21600
1	0	0	0	0	0	1	0	1676	8326	14976	21626
0	1	0	0	0	0	1	0	1701	8351	15001	21651
1	1	0	0	0	0	1	0	1727	8377	15027	21677
0	0	1	0	0	0	1	0	1752	8402	15052	21702
1	0	1	0	0	0	1	0	1778	8428	15078	21728
0	1	1	0	0	0	1	0	1803	8453	15103	21753
1	1	1	0	0	0	1	0	1829	8479	15129	21779
0	0	0	1	0	0	1	0	1855	8505	15155	21805
1	0	0	1	0	0	1	0	1881	8531	15181	21831
0	1	0	1	0	0	1	0	1906	8556	15206	21856
1	1	0	1	0	0	1	0	1932	8582	15232	21882
0	0	1	1	0	0	1	0	1957	8607	15257	21907
1	0	1	1	0	0	1	0	1983	8633	15283	21933
0	1	1	1	0	0	1	0	2008	8658	15308	21958
1	1	1	1	0	0	1	0	2034	8684	15334	21984
0	0	0	0	1	0	1	0	2062	8712	15362	22012
1	0	0	0	1	0	1	0	2088	8738	15388	22038
0	1	0	0	1	0	1	0	2113	8763	15413	22063
1	1	0	0	1	0	1	0	2139	8789	15439	22089

1	2	3	4	5	6	7	8	9=0, 10=0	9=1, 10=0	9=0, 10=1	9=1, 10=1
0	0	1	0	1	0	1	0	2164	8814	15464	22114
1	0	1	0	1	0	1	0	2190	8840	15490	22140
0	1	1	0	1	0	1	0	2215	8865	15515	22165
1	1	1	0	1	0	1	0	2241	8891	15541	22191
0	0	0	1	1	0	1	0	2267	8917	15567	22217
1	0	0	1	1	0	1	0	2293	8943	15593	22243
0	1	0	1	1	0	1	0	2318	8968	15618	22268
1	1	0	1	1	0	1	0	2344	8994	15644	22294
0	0	1	1	1	0	1	0	2369	9019	15669	22319
1	0	1	1	1	0	1	0	2395	9045	15695	22345
0	1	1	1	1	0	1	0	2420	9070	15720	22370
1	1	1	1	1	0	1	0	2446	9096	15746	22396
0	0	0	0	0	1	1	0	2475	9125	15775	22425
1	0	0	0	0	1	1	0	2501	9151	15801	22451
0	1	0	0	0	1	1	0	2526	9176	15826	22476
1	1	0	0	0	1	1	0	2552	9202	15852	22502
0	0	1	0	0	1	1	0	2577	9227	15877	22527
1	0	1	0	0	1	1	0	2603	9253	15903	22553
0	1	1	0	0	1	1	0	2628	9278	15928	22578
1	1	1	0	0	1	1	0	2654	9304	15954	22604
0	0	0	1	0	1	1	0	2680	9330	15980	22630
1	0	0	1	0	1	1	0	2706	9356	16006	22656
0	1	0	1	0	1	1	0	2731	9381	16031	22681
1	1	0	1	0	1	1	0	2757	9407	16057	22707
0	0	1	1	0	1	1	0	2782	9432	16082	22732
1	0	1	1	0	1	1	0	2808	9458	16108	22758
0	1	1	1	0	1	1	0	2833	9483	16133	22783
1	1	1	1	0	1	1	0	2859	9509	16159	22809
0	0	0	0	1	1	1	0	2887	9537	16187	22837
1	0	0	0	1	1	1	0	2913	9563	16213	22863
0	1	0	0	1	1	1	0	2938	9588	16238	22888
1	1	0	0	1	1	1	0	2964	9614	16264	22914
0	0	1	0	1	1	1	0	2989	9639	16289	22939
1	0	1	0	1	1	1	0	3015	9665	16315	22965
0	1	1	0	1	1	1	0	3040	9690	16340	22990
1	1	1	0	1	1	1	0	3066	9716	16366	23016
0	0	0	1	1	1	1	0	3092	9742	16392	23042
1	0	0	1	1	1	1	0	3118	9768	16418	23068
0	1	0	1	1	1	1	0	3143	9793	16443	23093
1	1	0	1	1	1	1	0	3169	9819	16469	23119
0	0	1	1	1	1	1	0	3194	9844	16494	23144
1	0	1	1	1	1	1	0	3220	9870	16520	23170
0	1	1	1	1	1	1	0	3245	9895	16545	23195
1	1	1	1	1	1	1	0	3271	9921	16571	23221
0	0	0	0	0	0	0	1	3300	9950	16600	23250
1	0	0	0	0	0	0	1	3326	9976	16626	23276
0	1	0	0	0	0	0	1	3351	10001	16651	23301

1	2	3	4	5	6	7	8	9=0, 10=0	9=1, 10=0	9=0, 10=1	9=1, 10=1
1	1	0	0	0	0	0	1	3377	10027	16677	23327
0	0	1	0	0	0	0	1	3402	10052	16702	23352
1	0	1	0	0	0	0	1	3428	10078	16728	23378
0	1	1	0	0	0	0	1	3453	10103	16753	23403
1	1	1	0	0	0	0	1	3479	10129	16779	23429
0	0	0	1	0	0	0	1	3505	10155	16805	23455
1	0	0	1	0	0	0	1	3531	10181	16831	23481
0	1	0	1	0	0	0	1	3556	10206	16856	23506
1	1	0	1	0	0	0	1	3582	10232	16882	23532
0	0	1	1	0	0	0	1	3607	10257	16907	23557
1	0	1	1	0	0	0	1	3633	10283	16933	23583
0	1	1	1	0	0	0	1	3658	10308	16958	23608
1	1	1	1	0	0	0	1	3684	10334	16984	23634
0	0	0	0	1	0	0	1	3712	10362	17012	23662
1	0	0	0	1	0	0	1	3738	10388	17038	23688
0	1	0	0	1	0	0	1	3763	10413	17063	23713
1	1	0	0	1	0	0	1	3789	10439	17089	23739
0	0	1	0	1	0	0	1	3814	10464	17114	23764
1	0	1	0	1	0	0	1	3840	10490	17140	23790
0	1	1	0	1	0	0	1	3865	10515	17165	23815
1	1	1	0	1	0	0	1	3891	10541	17191	23841
0	0	0	1	1	0	0	1	3917	10567	17217	23867
1	0	0	1	1	0	0	1	3943	10593	17243	23893
0	1	0	1	1	0	0	1	3968	10618	17268	23918
1	1	0	1	1	0	0	1	3994	10644	17294	23944
0	0	1	1	1	0	0	1	4019	10669	17319	23969
1	0	1	1	1	0	0	1	4045	10695	17345	23995
0	1	1	1	1	0	0	1	4070	10720	17370	24020
1	1	1	1	1	0	0	1	4096	10746	17396	24046
0	0	0	0	0	1	0	1	4125	10775	17425	24075
1	0	0	0	0	1	0	1	4151	10801	17451	24101
0	1	0	0	0	1	0	1	4176	10826	17476	24126
1	1	0	0	0	1	0	1	4202	10852	17502	24152
0	0	1	0	0	1	0	1	4227	10877	17527	24177
1	0	1	0	0	1	0	1	4253	10903	17553	24203
0	1	1	0	0	1	0	1	4278	10928	17578	24228
1	1	1	0	0	1	0	1	4304	10954	17604	24254
0	0	0	1	0	1	0	1	4330	10980	17630	24280
1	0	0	1	0	1	0	1	4356	11006	17656	24306
0	1	0	1	0	1	0	1	4381	11031	17681	24331
1	1	0	1	0	1	0	1	4407	11057	17707	24357
0	0	1	1	0	1	0	1	4432	11082	17732	24382
1	0	1	1	0	1	0	1	4458	11108	17758	24408
0	1	1	1	0	1	0	1	4483	11133	17783	24433
1	1	1	1	0	1	0	1	4509	11159	17809	24459
0	0	0	0	1	1	0	1	4537	11187	17837	24487
1	0	0	0	1	1	0	1	4563	11213	17863	24513

1	2	3	4	5	6	7	8	9=0, 10=0	9=1, 10=0	9=0, 10=1	9=1, 10=1
0	1	0	0	1	1	0	1	4588	11238	17888	24538
1	1	0	0	1	1	0	1	4614	11264	17914	24564
0	0	1	0	1	1	0	1	4639	11289	17939	24589
1	0	1	0	1	1	0	1	4665	11315	17965	24615
0	1	1	0	1	1	0	1	4690	11340	17990	24640
1	1	1	0	1	1	0	1	4716	11366	18016	24666
0	0	0	1	1	1	0	1	4742	11392	18042	24692
1	0	0	1	1	1	0	1	4768	11418	18068	24718
0	1	0	1	1	1	0	1	4793	11443	18093	24743
1	1	0	1	1	1	0	1	4819	11469	18119	24769
0	0	1	1	1	1	0	1	4844	11494	18144	24794
1	0	1	1	1	1	0	1	4870	11520	18170	24820
0	1	1	1	1	1	0	1	4895	11545	18195	24845
1	1	1	1	1	1	0	1	4921	11571	18221	24871
0	0	0	0	0	0	1	1	4950	11600	18250	24900
1	0	0	0	0	0	1	1	4976	11626	18276	24926
0	1	0	0	0	0	1	1	5001	11651	18301	24951
1	1	0	0	0	0	1	1	5027	11677	18327	24977
0	0	1	0	0	0	1	1	5052	11702	18352	25002
1	0	1	0	0	0	1	1	5078	11728	18378	25028
0	1	1	0	0	0	1	1	5103	11753	18403	25053
1	1	1	0	0	0	1	1	5129	11779	18429	25079
0	0	0	1	0	0	1	1	5155	11805	18455	25105
1	0	0	1	0	0	1	1	5181	11831	18481	25131
0	1	0	1	0	0	1	1	5206	11856	18506	25156
1	1	0	1	0	0	1	1	5232	11882	18532	25182
0	0	1	1	0	0	1	1	5257	11907	18557	25207
1	0	1	1	0	0	1	1	5283	11933	18583	25233
0	1	1	1	0	0	1	1	5308	11958	18608	25258
1	1	1	1	0	0	1	1	5334	11984	18634	25284
0	0	0	0	1	0	1	1	5362	12012	18662	25312
1	0	0	0	1	0	1	1	5388	12038	18688	25338
0	1	0	0	1	0	1	1	5413	12063	18713	25363
1	1	0	0	1	0	1	1	5439	12089	18739	25389
0	0	1	0	1	0	1	1	5464	12114	18764	25414
1	0	1	0	1	0	1	1	5490	12140	18790	25440
0	1	1	0	1	0	1	1	5515	12165	18815	25465
1	1	1	0	1	0	1	1	5541	12191	18841	25491
0	0	0	1	1	0	1	1	5567	12217	18867	25517
1	0	0	1	1	0	1	1	5593	12243	18893	25543
0	1	0	1	1	0	1	1	5618	12268	18918	25568
1	1	0	1	1	0	1	1	5644	12294	18944	25594
0	0	1	1	1	0	1	1	5669	12319	18969	25619
1	0	1	1	1	0	1	1	5695	12345	18995	25645
0	1	1	1	1	0	1	1	5720	12370	19020	25670
1	1	1	1	1	0	1	1	5746	12396	19046	25696
0	0	0	0	0	1	1	1	5775	12425	19075	25725
1	0	0	0	0	1	1	1	5801	12451	19101	25751
0	1	0	0	0	1	1	1	5826	12476	19126	25776
1	1	0	0	0	1	1	1	5852	12502	19152	25802

1	2	3	4	5	6	7	8	9=0, 10=0	9=1, 10=0	9=0, 10=1	9=1, 10=1
0	0	1	0	0	1	1	1	5877	12527	19177	25827
1	0	1	0	0	1	1	1	5903	12553	19203	25853
0	1	1	0	0	1	1	1	5928	12578	19228	25878
1	1	1	0	0	1	1	1	5954	12604	19254	25904
0	0	0	1	0	1	1	1	5980	12630	19280	25930
1	0	0	1	0	1	1	1	6006	12656	19306	25956
0	1	0	1	0	1	1	1	6031	12681	19331	25981
1	1	0	1	0	1	1	1	6057	12707	19357	26007
0	0	1	1	0	1	1	1	6082	12732	19382	26032
1	0	1	1	0	1	1	1	6108	12758	19408	26058
0	1	1	1	0	1	1	1	6133	12783	19433	26083
1	1	1	1	0	1	1	1	6159	12809	19459	26109
0	0	0	0	1	1	1	1	6187	12837	19487	26137
1	0	0	0	1	1	1	1	6213	12863	19513	26163
0	1	0	0	1	1	1	1	6238	12888	19538	26188
1	1	0	0	1	1	1	1	6264	12914	19564	26214
0	0	1	0	1	1	1	1	6289	12939	19589	26239
1	0	1	0	1	1	1	1	6315	12965	19615	26265
0	1	1	0	1	1	1	1	6340	12990	19640	26290
1	1	1	0	1	1	1	1	6366	13016	19666	26316
0	0	0	1	1	1	1	1	6392	13042	19692	26342
1	0	0	1	1	1	1	1	6418	13068	19718	26368
0	1	0	1	1	1	1	1	6443	13093	19743	26393
1	1	0	1	1	1	1	1	6469	13119	19769	26419
0	0	1	1	1	1	1	1	6494	13144	19794	26444
1	0	1	1	1	1	1	1	6520	13170	19820	26470
0	1	1	1	1	1	1	1	6545	13195	19845	26495
1	1	1	1	1	1	1	1	6571	13221	19871	26521

TROUBLESHOOTING

If the vehicle starts and then quickly dies:

1. Turn the key to the run position.
2. Is the "THEFT SYSTEM" light flashing or on solid?
 - If on solid go to step 3.
 - If flashing go to step 4.
3. Start the vehicle with the key.
 - A. If the vehicle starts and the "THEFT SYSTEM" light remains on solid. Go back and re-check all connections. The Passlock system has entered FAIL-ENABLE mode, caused by no communication between one of the systems components. This is usually caused by an open connection.
 - B. If the vehicle WILL NOT start and the "THEFT SYSTEM" light remain solid. Re-check all connections attempt to remote start the vehicle.
4. Wait 5 seconds and attempt to start the vehicle with the key.
 - A. If the vehicle will not start with the key, go to step 5.
 - B. If the vehicle starts and stays running, re-check all connections. The vehicle has entered SHORT TAMPER MODE caused by failure of the Passlock module to read the R-Code within the time window allowed. If the if three attempts are made to start the vehicle in which no R-Code is read the Passlock system will enter LONG TAMPER MODE. If this happens wait 10 minutes for the system to reset and re-check all connections.
5. The unit has entered LONG TAMPER MODE. This mode will not allow the vehicle to start for 10 minutes. LONG TAMPER MODE is almost always caused by the wrong R-Code being introduced to the system. This will immediately cause a no-start situation, even if an attempt is made to start the vehicle with the key. At this point wait 10 minutes and re-check the R-Code.