

ENGINE CONTROL

ECM PIN FUNCTION

PIN	FUNCTION	COLOR	REFERENCE		TEST	
			IG'ON''	IDLE	IG'ON''	IDLE
1	Not used					
2	Not used					
3	Ground of ignition(G104)					
4	Not used					
5	LEGR control (PVWM)					
6	Fuel pump relay control					
7	Ignition relay "1" control					
8	ECT PVWM signal					
9	Cooling fan high relay control					
10	Cooling fan low relay control					
11	Knock sensor shield					
12	Knock sensor ground					
13	IAT/MAP/UP O ₂ ground					
14	Down HO ₂ sensor signal					
15	Not used					
16	Down HO ₂ & ACP sensor ground					
17	CMP ground					
18	Not used					
19	LEGR/MTIA/ECT ground					
20	ACP signal					
21	Fuel tank level sensor supply					
22	CMP sensor signal					
23	Not used					
24	ECM ground (G104)					
25	CKP shield					
26	Not used					
27	RON switch "1"					
28	ECM ground (G104)					
29	Ignition "On" signal					
30	Power supply (B+)					

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PIN	FUNCTION	COLOR	REFERENCE		TEST	
			IG"ON"	IDLE	IG"ON"	IDLE
31	Ignition output 2 & 3					
32	Ignition output 1 & 4					
33	ECM Ground (G104)					
34	Not used					
35	Up O2 sensor heater					
36	Not used					
37	VGIS control					
38	Not used					
39	MIL					
40	Fuel tank level PWM					
41	A/C compressor relay control					
42	Knock sensor signal					
43	MTIA motor position signal					
44	O2 sensor signal(non heated)					
45	LEGR position signal					
46	Fuel tank level signal					
47	Not used					
48	Not used					
49	Not used					
50	MAP & ACP sensor(Ref. 5V)					
51	VSS signal (M/T)					
52	A/C ON signal					
53	Rough road detection (input)					
54	CKP signal Hi					
55	MTIA idle switch (input)					
56	Serial data					
57	CAN bus low					
58	Not used					
59	Injector (cylinder #1)					
60	Injector (cylinder #3)					

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PIN	FUNCTION	COLOR	REFERENCE		TEST	
			IG"ON"	IDLE	IG"ON"	IDLE
61	MTIA DC motor (+)					
62	MTIA DC motor (-)					
63	Not used					
64	Down HO2 sensor heater control					
65	Canister purge control					
66	Ignition relay "1" B+					
67	ECM Ground (G104)					
68	RPM signal output					
69	Not used					
70	Not used					
71	not used					
72	Not used					
73	Not used					
74	MTIA throttle position (input)					
75	MAP sensor signal (input)					
76	ECT sensor signal					
77	Not used					
78	IAT signal					
79	LEGR & MTIA reference(5V)					
80	Not used					
81	RON switch "2"					
82	Not used					
83	Power steering pressure S/W					
84	Rough road detection sensor ref.					
85	CKP signal low					
86	Not used					
87	Not used					
88	CAN bus high					
89	Injector (cylinder #4)					
90	Injector (cylinder #2)					