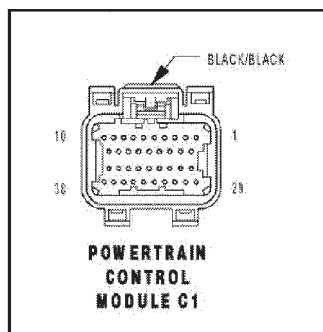


2005 300M 2.7L, 3.5L, 5.7L & Magnum 5.7L 'C1' Black/Black Connector

PCM Pin #	Wire Color	Circuit Description (38-Pin)	Value at Hot Idle
1	DB/YL (5.7L)	Coil Control No. 8	
2	---	Not Used	---
3	DB/YL (5.7L)	Coil Control No. 7	
4	BR/LB (5.7L)	Injector Control No. 8	
5	BR/YL (5.7L)	Injector Control No. 7	
6	---	Not Used	---
7	---	Not Used	---
8	---	Not Used	---
9	BK/BR	Ground	<0.050v
10	---	Not Used	---
11	PK/GY	Fused Ignition Switch Output (Run-Start)	
12	PK (2.7L/3.5L)	Ignition Unlock-Run-Start	
13	---	Not Used	---
14	---	Not Used	---
15	---	Not Used	---
16	DB/LG (3.5L)	SRV Control	
17	---	Not Used	---
18	BK/BR	Ground	<0.050v
19	---	Not Used	---
20	VT/GY	Engine Oil Pressure Signal	
21	---	Not Used	---
22	---	Not Used	---
23	---	Not Used	---
24	---	Not Used	---
25	WT/LG	SCI Receive (PCM)	
26	WT/OR	SCI Receive (TCM)	
27	YL/PK	5 Volt Supply	
28	BR/LB (5.7L MDS)	MDS Sol Control No. 4	
29	RD	Fused B (+)	
30	YL	Fused Ignition Switch Output (Start)	
31	DB/YL	O2 1/2 Signal	
32	DB/DG	O2 Return (Down)	
33	BR	O2 2/2 Signal	
34	WT/LG	CAN C Bus (+)	
35	WT/LB	CAN C Bus (-)	
36	WT/BR	SCI Transmit (PCM)	
37	WT/DG	SCI Transmit (TCM)	
38	---	Not Used	---



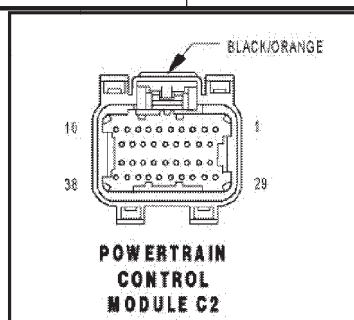
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PIN CHARTS 300M & MAGNUM

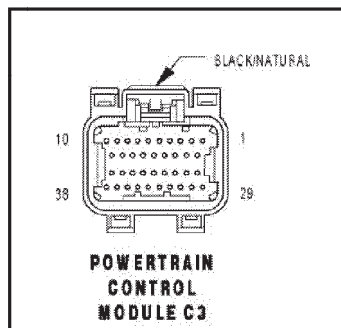
2005 300M 2.7L, 3.5L, 5.7L & Magnum 5.7L 'C1' Black/Orange Connector

PCM Pin #	Wire Color	Circuit Description (38-Pin)	Value at Hot Idle
1	DB/OR	Coil Control No. 6	
2	DB/YL	Coil Control No. 5	
3	DB/GY	Coil Control No. 4	
4	BR/VT	Injector Control No. 6	
5	BR/OR	Injector Control No. 5	
6	DB/GY	ETC Motor (+)	
7	DB/LG	Coil Control No. 3	
8	DB/VT	EGR Sol Control	
9	DB/TN	Coil Control No. 2	
10	DB/DG	Coil Control No. 1	
11	BR/TN	Injector Control No. 4	
12	BR/LB	Injector Control No. 3	
13	BR/DB	Injector Control No. 2	
14	BR/YL	Injector Control No. 1	
15	BR/DB	TP Sensor Return	
16	BR (2.7L/3.5L)	MTV Control	
16	BR/DG (5.7L MDS)	MDS Sol Control No. 6	
17	BR/VT	O2 2/1 Heater Control	
18	BR/LG	O2 1/1 Heater Control	
19	BR/GY	Gen Field Control	
20	VT/OR	ECT Signal	
21	BR/OR	TP Sensor No. 1 Signal	
22	DB/LG	EGR Signal	
23	VT/BR	MAP Signal	
24	BR/LG	Knock Sensor No. 1 Return	
25	DB/YL	Knock Sensor No. 1 Signal	
26	---	Not Used	---
27	DB/DG	Sensor Ground	
28	BR/DG	TP Sensor No. 2 Signal	
29	PK/YL	5 Volt Supply	
30	DB/LG	IAT Signal	
31	DB/LB	O2 1/1 Signal	
32	BR/DG	O2 Return (Up)	
33	DB/LG	O2 2/1 Signal	
34	DB/GY	CMP Signal	
35	DB/WT	CKP Signal	
36	BR/WT (5.7L)	Knock Sensor No. 2 Signal	
37	WT/BR (5.7L)	Knock Sensor No. 2 Return	
38	DB/LG	ETC Motor (-)	



2005 300M 2.7L, 3.5L, 5.7L & Magnum 5.7L 'C3' Black/Natural Connector

PCM Pin #	Wire Color	Circuit Description (38-Pin)	Value at Hot Idle
1	---	Not Used	---
2	---	Not Used	---
3	BR/WT	Auto Shut Down Relay Control	
4	---	Not Used	---
5	BR/OR (5.7L MDS)	MDS Sol Control No. 7	
6	BR/WT (5.7L MDS)	MDS Sol Control No. 1	
7	---	Not Used	---
8	VT/GY	NVLD Sol Control	
9	BR/WT	O2 1/2 Heater Control	
10	BR/GY	O2 2/2 Heater Control	
11	LB/OR	A/C Clutch Relay Control	
12	---	Not Used	---
13	---	Not Used	---
14	LB/DG	Brake Switch No. 2 Signal	
15	---	Not Used	---
16	BR/YL	APPS No. 1 Return	
17	BR/VT	APPS No. 2 Return	
18	---	Not Used	---
19	BR/GY	Fused Auto Shut Down Relay Output 3	
20	DB/OR	EVAP Purge Control	
21	---	Not Used	---
22	---	Not Used	---
23	DG/WT	Brake Switch No. 1 Signal	
24	---	Not Used	---
25	BR/WT	APPS No. 1 Signal	
26	---	Not Used	---
27	---	Not Used	---
28	BR/WT	Fused Auto Shut Down Relay Output 1	
29	DB/BR	EVAP Purge Return	
30	---	Not Used	---
31	---	Not Used	---
32	---	Not Used	---
33	VT/YL (5.7L)	Engine Oil Temperature Signal	
34	---	Not Used	---
35	VT/WT	NVLD Switch Signal	
36	WT/BR	APPS No. 2 Signal	
37	BR	Fuel Pump Relay Control	
38	DG/OR	Starter Relay Control	

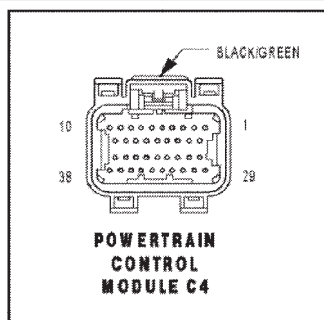


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PIN CHARTS
300M & MAGNUM

2005 300M 2.7L, 3.5L, 5.7L & Magnum 5.7L 'C4' Black/Green Connector

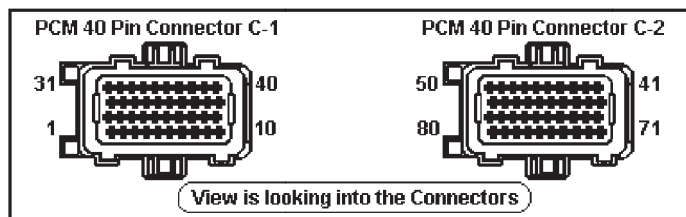
PCM Pin #	Wire Color	Circuit Description (38-Pin)	Value at Hot Idle
1	YL/GY	OD Solenoid Control	
2	YL/LB	UD Solenoid Control	
3	---	Not Used	---
4	---	Not Used	---
5	---	Not Used	---
6	YL/DB	2-4 Solenoid Control	
7	---	Not Used	---
8	---	Not Used	---
9	---	Not Used	---
10	DG/WT	L/R Solenoid Control	
11	---	Not Used	---
12	BK/BR	Ground	
13	BK/BR	Ground	
14	BK/BR	Ground	
15	DG/LB	TRS T1 Sense	
16	DG/DB	TRS T3 Sense	
17	---	Not Used	---
18	YL/BR	Transmission Control Relay Control	
19	YL/OR	Transmission Control Relay Output	
20	---	Not Used	---
21	---	Not Used	---
22	DG/TN	OD Pressure Switch Sense	
23	---	Not Used	---
24	---	Not Used	---
25	---	Not Used	---
26	---	Not Used	---
27	YL/DB	TRS T41 Sense (P/N Sense)	
28	YL/OR	Transmission Control Relay Output	
29	YL/TN	L/R Pressure Switch Sense	
30	YL/DG	2-4 Pressure Switch Sense	
31	---	Not Used	---
32	DG/BR	Output Speed Sensor Signal	
33	DG/OR	Input Speed Sensor Signal	
34	DG/VT	Sensor Ground	
35	DG/OR	Transmission Temperature Sensor Signal	
36	---	Not Used	---
37	DG/YL	TRS T42 Sense	
38	YL/OR	Transmission Control Relay Output	



BREEZE, CIRRUS & STRATUS

1995-97 Stratus 2.0L VIN C (M/T) 'C2' White Connector

PCM Pin #	Wire Color	Circuit Description (40-Pin)	Value at Hot Idle
41	PK/LG	S/C Set Switch Signal	S/C & Set Switch On: 3.8V
42	DB/YL	A/C Damped Pressure Switch	A/C On: 1v, Off: 12v
43	BK/LB	Sensor Ground	<0.050v
44	OR/WT	8-Volt Supply	7.9-8.1v
45	DB/LG	PSP Switch Signal	Straight: 0v, Turning: 5v
46	RD/TN	Battery Power (Fused B+)	12-14v
47	---	Not Used	---
48	BR/GY	IAC 3 Driver	DC pulse signals: 0.8-11v
49	YL/BK	IAC 2 Driver	DC pulse signals: 0.8-11v
50	BK/TN	Power Ground	<0.1v
51	TN/WT	HO2S-12 (B1 S2) Signal	0.1-1.1v
52	PK/LG	Battery Temperature Sensor	At 86°F: 1.96v
53-54	---	Not Used	---
55	DB/TN	Low Speed Fan Relay	Relay Off: 12v, On: 1v
56	---	Not Used	---
57	GY/RD	IAC 1 Driver	DC pulse signals: 0.8-11v
58	PK/GY	IAC 4 Driver	DC pulse signals: 0.8-11v
59	PK/BR	CCD Bus (+)	Digital Signal: 0-5-0v
60	WT/BK	CCD Bus (-)	<0.050v
61	PK/WT	5-Volt Supply	4.9-5.1v
62	WT/RD	Brake Switch Signal	Brake Off: 0v, On: 12v
63	YL/DG	Torque Management Request	Digital Signals
64	DB/OR	A/C Clutch Relay Control	Relay Off: 12v, On: 1v
65	PK/LB	SCI Transmit	0v
66	WT/OR	Vehicle Speed Signal	Digital Signal
67	DB/PK	ASD Relay Control	Relay Off: 12v, On: 1v
68	PK/GY	EVAP Purge Solenoid Control	PWM signal: 0-12-0v
69	DB/PK	High Speed Fan Relay	Relay Off: 12v, On: 1v
72 ('96-'97)	OR/DG	LDP Switch Signal	Switch Closed: 0v, open: 12v
73	---	Not Used	---
74	BR/LG	Fuel Pump Relay Control	Relay Off: 12v, On: 1v
75	LG/WT	SCI Receive	0v
76	BR/WT	PNP Switch Signal	In P/N: 0v, Others: 5v
77 ('96-'97)	WT/DG	LDP Solenoid Control	PWM signal: 0-12-0v
78	WT/PK	S/C Vacuum Solenoid	Vacuum Increasing: 1v
80	LG/RD	S/C Vent Solenoid	Vacuum Decreasing: 1v



Pin Connector Graphic

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PIN CHARTS

BREEZE, CIRRUS & STRATUS

1998-2000 Breeze, Cirrus & Stratus 2.0L VIN C (M/T) 'C1' Black Connector

PCM Pin #	Wire Color	Circuit Description (40-Pin)	Value at Hot Idle
1-2	---	Not Used	---
3	DB/TN	Coil 2 Driver	5°, at 55 mph: 8° dwell
4	---	Not Used	---
5	YL/RD	S/C Power Supply	12-14v
6	DG/OR	ASD Relay Output	12-14v
7	YL/WT	Injector 3 Driver	1-4 ms
8	DG	Generator Field Control	Digital Signal: 0-12-0v
9	---	Not Used	---
10	BK/TN	Power Ground	<0.1v
11	BK/GY	Coil 1 Driver	5°, at 55 mph: 8° dwell
12	---	Not Used	---
13	WT/DB	Injector 1 Driver	1-4 ms
14-15	---	Not Used	---
16	LB/BR	Injector 4 Driver	1-4 ms
17	TN	Injector 2 Driver	1-4 ms
18-19	---	Not Used	---
20	DB/WT	Ignition Switch Output	12-14v
21-24	---	Not Used	---
25	DB/LG	Knock Sensor Signal	0.080v AC
26	TN/BK	ECT Sensor Signal	At 180°F: 2.80v
27	BK/OR	HO2S Signal Ground	<0.050v
28-29	---	Not Used	---
30	BK/DG	HO2S-11 (B1 S1) Signal	0.1-1.1v
31	TN	Starter Relay Control	KOEC: 9-11v
32	GY/BK	CKP Sensor Signal	Digital Signal: 0-5-0v
33	TN/YL	CMP Sensor Signal	Digital Signal: 0-5-0v
34	---	Not Used	---
35	OR/LB	TP Sensor Signal	0.6-1.0v
36	DG/RD	MAP Sensor Signal	1.5-1.7v
37	BK/RD	IAT Sensor Signal	At 100°F: 1.83v
38-39	---	Not Used	---
40	GY/YL	EGR Solenoid Control	12v, 55 mph: 1v

Standard Colors and Abbreviations

Abbreviation	Color	Abbreviation	Color	Abbreviation	Color
BK	Black	GY	Gray	RD	Red
BL	Blue	GN	Green	TN	Tan
BR	Brown	LG	Light Green	VT	Violet
DB	Dark Blue	OR	Orange	WT	White
DG	Dark Green	PK	Pink	YL	Yellow

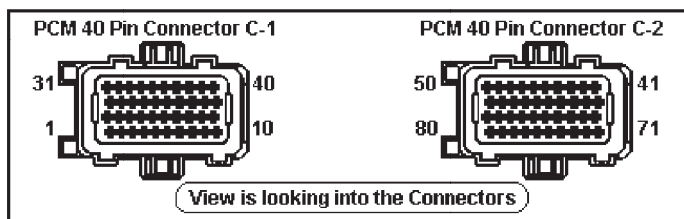
PIN CHARTS

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BREEZE, CIRRUS & STRATUS

1998-2000 Breeze, Cirrus & Stratus 2.0L VIN C (M/T) 'C2' White Connector

PCM Pin #	Wire Color	Circuit Description (40-Pin)	Value at Hot Idle
41	RD/LG	S/C Set Switch Signal	S/C & Set Switch On: 3.8V
42	DB/YL	A/C Damped Pressure Switch	A/C On: 1v, Off: 12v
43	BK/LB	Sensor Ground	<0.050v
44	OR/WT	8-Volt Supply	7.9-8.1v
45	DB/LG	PSP Switch Signal	Straight: 0v, Turning: 5v
46	RD/TN	Battery Power (Fused B+)	12-14v
47	BK	Power Ground	<0.1v
48	BR/WT	IAC 3 Driver	DC pulse signals: 0.8-11v
49	YL/BK	IAC 2 Driver	DC pulse signals: 0.8-11v
50	BK/TN	Power Ground	<0.1v
51	TN/WT	HO2S-12 (B1 S2) Signal	0.1-1.1v
52	VT/LG	Battery Temperature Sensor	At 86°F: 1.96v
53-54, 71	---	Not Used	---
55	DB/TN	Low Speed Fan Relay	Relay Off: 12v, On: 1v
56	WT/VT	S/C Vacuum Solenoid	Vacuum Increasing: 1v
57	GY/RD	IAC 1 Driver	DC pulse signals: 0.8-11v
58	VT/BK	IAC 4 Driver	DC pulse signals: 0.8-11v
59	VT/BR	CCD Bus (+)	Digital Signal: 0-5-0v
60	WT/BK	CCD Bus (-)	<0.050v
61	VT/WT	5-Volt Supply	4.9-5.1v
62	WT/RD	Brake Switch Signal	Brake Off: 0v, On: 12v
63	YL/DG	Torque Management Request	Digital Signals
64	DB/OR	A/C Clutch Relay Control	Relay Off: 12v, On: 1v
65, 75	PK, LG	SCI Transmit, SCI Receive	0v
66	WT/OR	Vehicle Speed Signal	Digital Signal
67	DB/VT	ASD Relay Control	Relay Off: 12v, On: 1v
68	PK/GY	EVAP Purge Solenoid Control	PWM signal: 0-12-0v
69	DB/PK	High Speed Fan Relay	Relay Off: 12v, On: 1v
70	WT/TN	EVAP Purge Solenoid Sense	0-1v
72	OR/DG	LDP Switch Signal	Switch Closed: 0v, open: 12v
73, 78-79	---	Not Used	---
74	BR/LG	Fuel Pump Relay Control	Relay Off: 12v, On: 1v
76	BK/WT	PNP Switch Signal	In P/N: 0v, Others: 5v
77	WT/DG	LDP Solenoid Control	PWM signal: 0-12-0v
80	LG/RD	S/C Vent Solenoid	Vacuum Decreasing: 1v



Pin Connector Graphic