

NGC C1 (Black Connector)							
PIN #	Function		Color				
1	Coil #8		DB/yl				
2							
3	Coil #7		BN				
4	Injector #8		BN/lb				
5	Injector #7		BN/yl				
6							
7							
8							
9	Ground (-)		BK/bn	To ground			
10							
11	12V key on power		pink	12V Key On			
12	12V constant		PK/wt	12V Battery			
13							
14							
15							
16							
17							
18	Ground (-)		BK/bn	To Ground			
19							
20	Oil Press Signal		VT/gy				
21	A/C Pressure Signal		BK/lb				
22	Ambient Air Temp Signal		VT/lg				
23							
24							
25	(SCI) Receive "PCM" to OBD2		WT/lg	To OBD2			
26	(SCI) Receive "TCM" to OBD2		WT/or	To OBD2			
27	5 Volt Supply (+)		YL/pk				
28	MDS Solenoid cyl 4		BR/LB				
29	Fused Battery (+) 12v		Red	12V Battery			
30	Fused IGN SWTCH output to start		YL	To Starter SW			

31	Driver rear O2 signal		DB/yl				
32	Upstream O2 sensor		BR/dg				
33	Passenger rear O2 signal		BR				
34	CAN C + to OBD2		wt/lg	To OBD2			
35	Can C - to OBD2		wt/lb	To OBD2			
36	(SCI)Transmit "PCM" to OBD2		WT/bn	To OBD2			
37	(SCI) Transmit "TCM" to OBD2		WT/dg	To OBD2			
38	PCI (BUS)		WT/vt	To OBD2			
2006-2008 RAM C2 (Orange Connector)							
PIN #	Function		Color				
1	Coil #6		DB/or				
2	Coil #5		DB/yl				
3	Coil #4		DB/vt				
4	Injector #6		BN/vt				
5	Injector #5		BN/or				
6	Electronic Throttle C. Motor		TN/yl				
7	Coil #3		DB/pr				
8	EGR Solenoid control		DB/vt				
9	Coil #2		DB/tn				
10	Coil #1		DB/dg				
11	Injector #4		BN/tn				
12	Injector #3		BN/lb				
13	Injector #2		BN/db				
14	Injector #1		BN/yl				
15	Throttle Position Sensor GRND		BN/db				
16	MDS Sol cyl6		BR/DG				
17	Passenger Front O2 Heater		BN/vt				
18	Driver Front O2 Heater		BN/lg				
19	Generator FLD (ALT CONTROL)		BN/gy				
20	Electronic Throttle C. Signal		VT/or				

21	TP #1 Signal		BN/or				
22	EGR Sensor Signal		DB/lg				
23	MAP Sensor Signal		VT/bn				
24	Kock Sensor #1 "Return"		BN/lg				
25	Kock Sensor #1 "Signal"		DB/yl				
26							
27	Sensor Ground (-)		DB/dg				
28	TP #2 "signal"		BN/dg				
29	5 volt supply (+)		PK/yl				
30	Inlet Air Temp Signal		DB/lg				
31	Driver front O2 signal		DB/lb				
32	O2 Return Downstream		DB/dg				
33	Passenger Front O2 signal		DB/lg				
34	Camshaft Position Signal		DB/gy				
35	Crank Position Signal		BN/lb				
36	Knock Sensor #2 Signal		BN/wt				
37	Knock Sensor #2 Return		WT/bn				
38	Electronic Throttle Motor (-)		TN/or				
2006-2008 RAM C3 (White Connector)							
PIN #	Function		Color				
1							
2							
3	ASD Relay Control		BN/wt	Grounds ASD Relay			
4							
5	mds cyl 7						
6	mds cyl 1		BN/vt				
7							
8	NVLD (Vac Leak Detection		VT/lb	DELETE			
9	Driver rear O2 heater		BN/wt	DELETE			
10	Passenger rear O2 Heater		BN/gy	DELETE			

11	Air Conditioner Clutch Control		LB/or	Grounds AC RELAY		
12						
13						
14	Brake Switch #2 Signal		VT/yl			
15	S/C switch Return		Vt/bn			
16	APPS #1 return		BN/yl	Gas Pedal		
17	APPS #2 return		BN/vt	Gas Pedal		
18	S/C switch signal		VT/or			
19	ASD Relay output		BN/wt	ASD relay back to ECM		
20	EVAP Purge Control		DB/bn	DELETE		
21	park/neutral switch		VT/db	Grounds in Neutral		
22	PTO switch sensor		VT			
23	Brake Switch Signal		DG/wt	TCC lockup for 545RFE		
24						
25	APPS #1 Signal		BN/wt	Gas Pedal		
26						
27						
28	ASD Relay output		BN/wt	ASD relay back to ECM		
29	Evap Purge Return		DB/bn			
30	P/S Switch		DB/wt			
31						
32						
33	Oil temp signal		VT/BR			
34	S/C Switch #1 signal		DB/wt			
35	NVLD (Vac Leak Detection)		VT/wt	DELETE		
36	APPS #2 Signal		WT/bn	Gas pedal		
37	Fuel Pump Relay Control		BN	Grounds Fuel Pump Relay		
38	Starter Relay Control		DG/or	Grounds Starter Relay		
2006-2008 RAM C4 (Green Connector)						
PIN #	Function		Color	NOT NEEDED FOR MANUAL TRANS A-833OR 727/904 old school		

1	Overdrive Solenoid Control		YL/gy				
2	\$-C Solenoid Control		YL/dg				
3							
4	MS Solenoid control		DG				
5							
6	2-C Solenoid control		YL/dg				
7							
8	Underdrive Solenoid Control		YL/lb				
9							
10	l/r solenoid control		DG/wt				
11	Pressure Control Solenoid		YL/gy				
12	Ground (-)		BK				
13	Ground (-)		BK				
14	Ground (-)		BK				
15	TRS T-1 sensor		DG/lb				
16	TRS T-3 Sensor		DG/db				
17	OD off switch sensor		DG				
18	Trans control relay		YL/db				
19	Trans Cont. output		YL/or				
20	4-C pressure sensor		BN/yl				
21	Underdrive pressure sensor		YL/wt				
22	Overdrive pressure sw		DG/tn				
23							
24							
25							
26	TRS T2 sensor		DG/lb				
27							
28	Trans cont relay output		YL/or				
29	Low/reverse pressure sw		YL/tn				
30	2-C pressure sw sensor		DG/yl				
31	Line pressure signal		YL/bn				

32	Output Speed Signal		DG/bn				
33	Input speed sensor		DG/or				
34	Speed sensor Ground (-)		DG/vt				
35	Trans temp signal		DG/or				
36							
37	TRS-T-42 Signal		DG/yl				
38	Trans control relay output		YL/or				