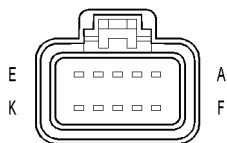


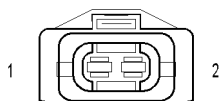
9.0 CONNECTOR PINOUTS



**ACCELERATOR
PEDAL
POSITION
SENSOR
(DIESEL)**

ACCELERATOR PEDAL POSITION SENSOR (DIESEL) - 10 WAY

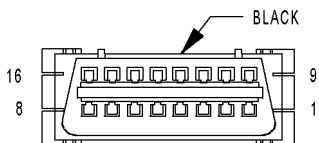
CAV	CIRCUIT	FUNCTION
A	-	-
B	-	-
C	-	-
D	K4 20BK/LB	SENSOR GROUND
E	K151 20WT	LOW IDLE POSITION SWITCH SENSE
F	-	-
G	K22 20OR/DB	ACCELERATOR PEDAL POSITION SENSOR SIGNAL NO.1
H	K23 20BR/WT	ACCELERATOR PEDAL POSITION SENSOR SIGNAL NO.2
J	K900 20DB/DG	SENSOR GROUND
K	F852 20VT/PK	ACCELERATOR PEDAL POSITION SENSOR 5 VOLT SUPPLY



**CRANKSHAFT
POSITION
SENSOR
(DIESEL)**

CRANKSHAFT POSITION SENSOR (DIESEL) - 2 WAY

CAV	CIRCUIT	FUNCTION
1	K3 20BR/OR	CRANKSHAFT POSITION SENSOR SIGNAL NO. 1
2	K24 20BR/LB	CRANKSHAFT POSITION SENSOR SIGNAL NO. 2



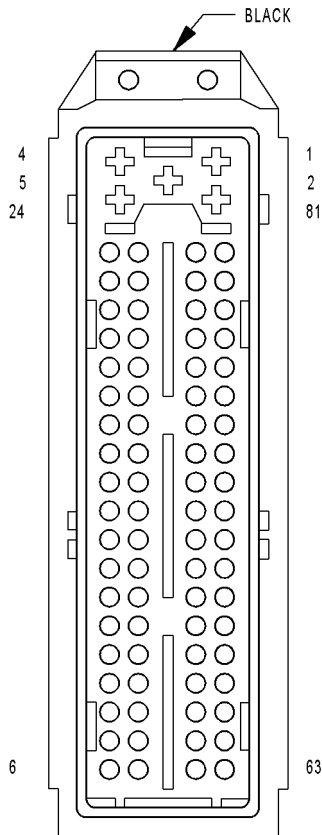
**DATA LINK
CONNECTOR**

DATA LINK CONNECTOR - BLACK 16 WAY

CAV	CIRCUIT	FUNCTION
1	-	-
2	D25 20WT/VT	PCI BUS
3	-	-
4	Z11 20BK/LG	GROUND
5	Z111 20BK/WT	GROUND
6	-	-
7	D21 20WT/DG (DIESEL)	SCI TRANSMIT (ECM)
7	D21 20WT/DG (GAS)	SCI TRANSMIT (PCM)
8	-	-
9	D123 20WT/BR	FLASH PROGRAM ENABLE
10	-	-
11	-	-
12	D20 20WT/LG (GAS)	SCI RECEIVE (PCM)
13	-	-
14	-	-
15	D15 20DG/YL (EATX)	SCI TRANSMIT (TCM)
16	A105 20DB/RD	FUSED B(+)

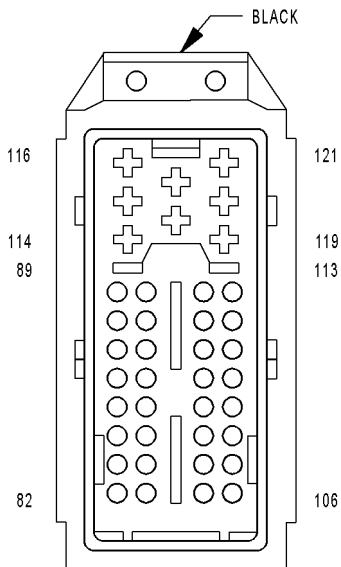
CONNECTOR PINOUTS

ENGINE CONTROL MODULE C1 (DIESEL) - BLACK 81 WAY



**ENGINE
CONTROL
MODULE C1
(DIESEL)**

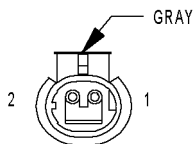
CAV	CIRCUIT	FUNCTION
1	Z130 14BK/BR	GROUND
2	Z131 14BK/DG	GROUND
3	K20 14BR/GY	GENERATOR FIELD CONTROL
4	K342 14BR/WT	ECM/PCM RELAY OUTPUT
5	K342 14BR/WT	ECM/PCM RELAY OUTPUT
6	-	-
7	D25 20WT/VT	PCI BUS
8	K944 20BK/GY	CAMSHAFT POSITION SENSOR SHIELD GROUND
9	K44 20DB/GY	CAMSHAFT POSITION SENSOR SIGNAL
10	-	-
11	K37 20DB/YL	BOOST PRESSURE SENSOR SIGNAL
12	K55 20DB/OR	MASS AIR FLOW SENSOR SIGNAL
13	K78 20GY	FUEL PRESSURE SENSOR SIGNAL
14	-	-
15	K22 20OR/DB	ACCELERATOR PEDAL POSITION SENSOR SIGNAL NO. 1
16	K80 20DB/TN	FUEL PRESSURE SENSOR GROUND
17	-	-
18	-	-
19	K342 20BR/WT	ECM/PCM RELAY OUTPUT
20	Z138 20BK/OR	GROUND
21	K900 20DB/DG	SENSOR GROUND
22	F202 20PK/GY	FUSED IGNITION SWITCH OUTPUT (RUN-START)
23	F851 20LB/PK	SENSOR REFERENCE VOLTAGE B
24	K3 20BR/OR	CRANKSHAFT POSITION SENSOR SIGNAL NO. 1
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	G6 20VT/GY	ENGINE OIL PRESSURE SENSOR SIGNAL
31	F853 20LG/PK	WATER IN FUEL SENSOR SIGNAL
32	K25 20BR/TN	BATTERY TEMPERATURE SENSOR SIGNAL
33	-	-
34	K4 20BK/LB	SENSOR GROUND
35	F852 20VT/PK	ACCELERATOR PEDAL POSITION SENSOR 5 VOLT SUPPLY
36	C18 20LB/BR	A/C PRESSURE SENSOR SIGNAL
37	-	-
38	V37 20VT/TN	SPEED CONTROL SWITCH SIGNAL
39	-	-
40	K2 20TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL
41	K21 20DB/LG	INTAKE AIR TEMPERATURE SENSOR SIGNAL
42	Z122 18WT	GROUND (DRAIN)
43	K24 20BR/LB	CRANKSHAFT POSITION SENSOR SIGNAL NO. 2
44	-	-
45	-	-
46	-	-
47	L50 20WT/TN	PRIMARY BRAKE SWITCH SIGNAL
48	B29 20DG/WT	SECONDARY BRAKE SWITCH SIGNAL
49	T751 20YL	FUSED IGNITION SWITCH OUTPUT (START)
50	F855 20PK/YL	SENSOR REFERENCE VOLTAGE A
51	-	-
52	K121 20DB	BOOST PRESSURE SENSOR GROUND
53	-	-
54	K957 20BK/OR	MASS AIR FLOW SENSOR GROUND
55	N7 20DB/OR	VEHICLE SPEED SENSOR SIGNAL
56	C918 20BK/LB	A/C PRESSURE SENSOR GROUND
57	T10 20DG/LG (EATX)	TORQUE MANAGEMENT REQUEST SENSE
58	-	-
59	-	-
60	K9 20LB	FUEL PRESSURE SENSOR 5 VOLT SUPPLY
61	K51 20BR/WT	ECM/PCM RELAY CONTROL
62	-	-
63	D21 20WT/DG	SCI TRANSMIT (ECM)
64	K151 20WT	LOW IDLE POSITION SWITCH SENSE
65	-	-
66	K936 20BR/YL	ENGINE OIL PRESSURE SENSOR GROUND
67	-	-
68	-	-
69	C13 20LB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
70	N210 20DB/DG	LOW SPEED RADIATOR FAN RELAY CONTROL
71	-	-
72	N21 20DB/TN	LIFT PUMP RELAY CONTROL
73	-	-
74	T752 20DG/OR	STARTER MOTOR RELAY CONTROL
75	-	-
76	-	-
77	K152 20DB/WT	GLOW PLUG RELAY CONTROL
78	N122 20DB/YL	HIGH SPEED RADIATOR FAN DUAL RELAY CONTROL
79	-	-
80	K87 20BR	FUEL PRESSURE SOLENOID CONTROL
81	K87 20BR	FUEL PRESSURE SOLENOID CONTROL



ENGINE CONTROL MODULE C2 (DIESEL)

ENGINE CONTROL MODULE C2 (DIESEL) - BLACK 40 WAY

CAV	CIRCUIT	FUNCTION
80	-	-
81	-	-
82	-	-
83	K24 20BR/LB (EATX)	CRANKSHAFT POSITION SENSOR SIGNAL NO. 2
84	-	-
85	-	-
86	-	-
87	-	-
88	K35 20GY/YL	EGR SOLENOID CONTROL
89	K35 20GY/YL	EGR SOLENOID CONTROL
90	-	-
91	-	-
92	-	-
93	-	-
94	-	-
95	-	-
96	-	-
97	-	-
98	-	-
99	-	-
100	-	-
101	-	-
102	-	-
103	-	-
104	-	-
105	-	-
106	-	-
107	-	-
108	-	-
109	-	-
110	-	-
111	-	-
112	T41 20DG/GY (EATX)	TRS T41 SENSE
112	K119 20DB/LG (MTX)	CLUTCH PEDAL UPSTOP SWITCH SENSE
113	-	-
114	-	-
115	K14 14LB/BR	FUEL INJECTOR NO. 4 CONTROL
116	K111 14DB/LB	COMMON INJECTOR DRIVER
117	-	-
118	K11 14WT/DB	FUEL INJECTOR NO. 1 CONTROL
119	K12 14TN	FUEL INJECTOR NO. 2 CONTROL
120	K13 14BR/LB	FUEL INJECTOR NO. 3 CONTROL
121	-	-



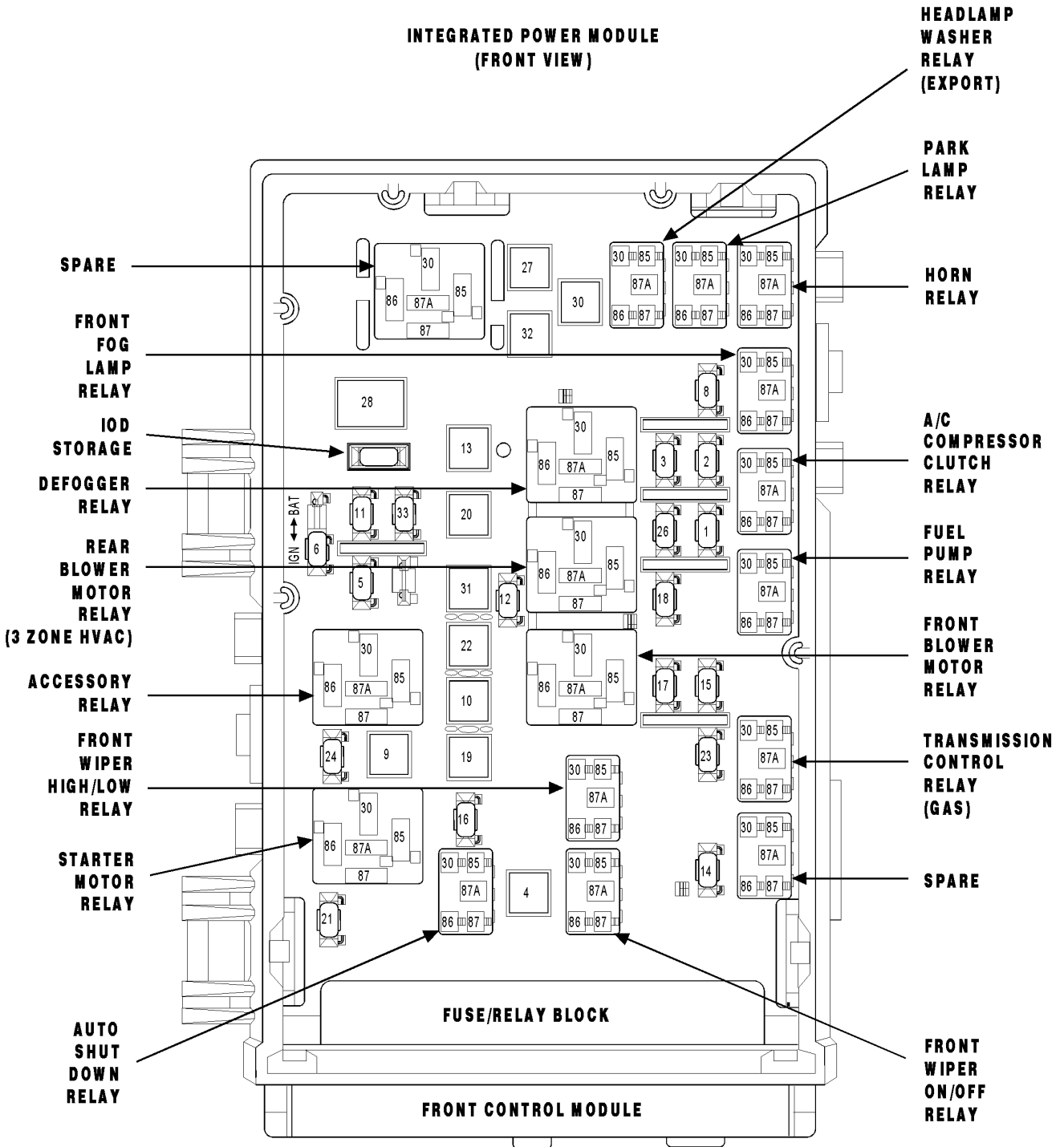
INPUT SPEED SENSOR

INPUT SPEED SENSOR - GRAY 2 WAY

CAV	CIRCUIT	FUNCTION
1	T13 18DG/WT	SPEED SENSOR GROUND
2	T52 18DG/WT	INPUT SPEED SENSOR SIGNAL

CONNECTOR PINOUTS

INTEGRATED POWER MODULE (FRONT VIEW)



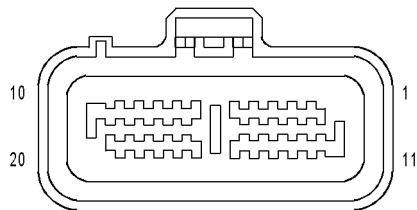
FUSES (IPM)

FUSE NO.	AMPS	FUSED CIRCUIT	FUNCTION
1	20A	INTERNAL	FUSED B(+)
2	15A	INTERNAL	FUSED PARK LAMP RELAY OUTPUT
3	15A	INTERNAL	FUSED PARK LAMP RELAY OUTPUT
4	30A	INTERNAL	FUSED B(+)
5	20A	F306 16DB/PK	FUSED ACCESSORY RELAY OUTPUT
6	20A	F307 16LB/PK (ACCESSORY RELAY POSITION)	FUSED ACCESSORY RELAY OUTPUT
6	20A	F307 16LB/PK (BATTERY POSITION)	FUSED B(+)
8	20A	INTERNAL	FUSED B(+)
9	40A	INTERNAL	FUSED B(+)
10	40A	C7 12DB	FUSED FRONT BLOWER MOTOR RELAY OUTPUT
11	20A	F302 18GY/PK	FUSED ACCESSORY RELAY OUTPUT
12	25A	C51 12LB/BR	FUSED REAR BLOWER MOTOR RELAY OUTPUT
13	40A	C15 12DB/WT	FUSED DEFOGGER RELAY OUTPUT
14	20A	INTERNAL	FUSED B(+ (I.O.D.))
15	20A	INTERNAL (DIESEL)	FUSED B(+)
15	20A	INTERNAL (EATX)	FUSED B(+)
16	25A	INTERNAL	FUSED B(+)
17	20A	INTERNAL	FUSED B(+)
18	15A	INTERNAL	FUSED B(+)
19	40A	A101 12VT/RD	FUSED B(+)
20	30A	A102 12WT/RD	FUSED B(+)
21	25A	A111 12DG/RD	FUSED B(+)
22	40A	A110 12OR/RD	FUSED B(+)
23	10A	A106 20LB/RD	FUSED B(+)
24	20A	A701 16BR/RD	FUSED B(+ (HAZARD))
26	20A	A103 18GY/RD	FUSED B(+)
27	40A	A112 12OR/RD	FUSED B(+)
28	40A	F30 12PK/YL	FUSED IGNITION SWITCH OUTPUT (RUN-ACC)
30	40A	INTERNAL (EXPORT)	FUSED B(+)
31	40A	A113 12WT/RD	FUSED B(+)
32	40A	A115 12YL/RD	FUSED B(+)
33	15A	INTERNAL	FUSED ACCESSORY RELAY OUTPUT

TRANSMISSION CONTROL RELAY (GAS)

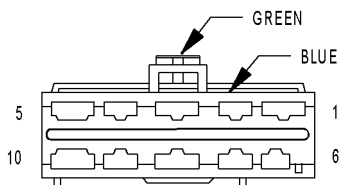
CAV	CIRCUIT	FUNCTION
30	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
85	Z115 18BK/OR (2.4L)	GROUND
85	Z115 20BK/OR (3.3L/3.8L)	GROUND
86	T15 18YL/BR	TRANSMISSION CONTROL RELAY CONTROL
87	INTERNAL	FUSED B(+)
87A	-	-

CONNECTOR PINOUTS



**INTEGRATED
POWER
MODULE C1**

INTEGRATED POWER MODULE C1 - 20 WAY		
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	L43 18WT/DB	LEFT LOW BEAM DRIVER
5	Z344 16BK/TN	GROUND
6	L34 16WT/GY	RIGHT HIGH BEAM DRIVER
7	W1 18BR/TN	WASHER FLUID LEVEL SWITCH SENSE
8	L33 18WT/LG	LEFT HIGH BEAM DRIVER
9	G31 18VT/LG (DIESEL)	AMBIENT TEMPERATURE SENSOR SIGNAL
10	L44 16WT/TN	RIGHT LOW BEAM DRIVER
11	-	-
12	-	-
13	Z343 18BK/LG	GROUND
14	-	-
15	L78 18WT/OR	FUSED PARK LAMP RELAY OUTPUT (RIGHT)
16	L77 18WT/BR	FUSED PARK LAMP RELAY OUTPUT (LEFT)
17	-	-
18	G931 18VT/BR (DIESEL)	AMBIENT TEMPERATURE SENSOR RETURN
19	W20 18BR/YL	REAR WASHER PUMP MOTOR CONTROL
20	W10 18BR	FRONT WASHER PUMP MOTOR CONTROL

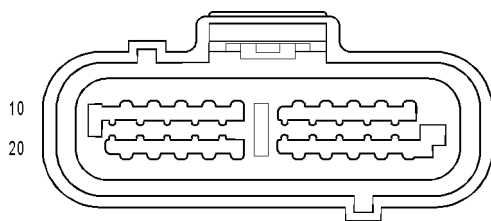


**INTEGRATED
POWER
MODULE C2**

INTEGRATED POWER MODULE C2 - GREEN/BLUE 10 WAY		
CAV	CIRCUIT	FUNCTION
1	N173 18DB/VT (GAS)	RAD FAN RELAY CONTROL
2	V53 12BR/OR (EXPORT)	HEADLAMP WASHER RELAY OUTPUT
3	L60 18WT/TN	RIGHT FRONT TURN SIGNAL DRIVER
4	L13 18WT/YL (EXPORT)	HEADLAMP ADJUST SIGNAL
5	X2 18DG/OR	HORN RELAY OUTPUT
6	L90 18WT/OR (FOG LAMPS)	FRONT FOG LAMP RELAY OUTPUT
7	L61 18WT/LB	LEFT FRONT TURN SIGNAL DRIVER
8	-	-
9	A112 12OR/RD	FUSED B(+)
10	L89 18WT/YL (FOG LAMPS)	FRONT FOG LAMP RELAY OUTPUT

INTEGRATED POWER MODULE C3 - 20 WAY

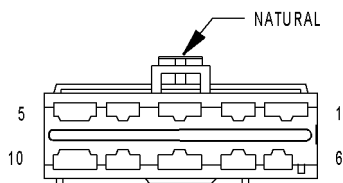
CAV	CIRCUIT	FUNCTION
1	N21 20DB/TN (DIESEL)	LIFT PUMP RELAY CONTROL
1	Z115 20BK/OR (GAS)	GROUND
2	F1 18PK/WT	FCM OUTPUT (UNLOCK-RUN-START)
3	T751 20YL (DIESEL)	FUSED IGNITION SWITCH OUTPUT (START)
3	T751 18YL (GAS)	FUSED IGNITION SWITCH OUTPUT (START)
4	T2 18DG/WT (MTX)	TRS REVERSE SENSE
5	N2 18DB/YL (DIESEL)	LIFT PUMP RELAY OUTPUT
5	T16 18YL/OR (GAS EATX)	TRANSMISSION CONTROL RELAY OUTPUT
6	F202 20PK/GY (DIESEL)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
6	T15 18YL/BR (GAS EATX)	TRANSMISSION CONTROL RELAY CONTROL
7	C3 20DB/YL	A/C CLUTCH RELAY OUTPUT
8	Z114 18BK/LG (DIESEL)	GROUND
8	K31 18BR (GAS)	FUEL PUMP RELAY CONTROL
9	C13 20LB/OR (DIESEL)	A/C COMPRESSOR CLUTCH RELAY CONTROL
9	C13 18LB/OR (GAS)	A/C COMPRESSOR CLUTCH RELAY CONTROL
10	A119 16RD/OR (DIESEL)	FUSED B(+)
11	C41 20LB/DG (DIESEL)	CABIN HEATER ASSIST CONTROL
12	-	-
13	D25 20WT/VT (DIESEL MTX)	PCI BUS
13	D25 18WT/VT (GAS/DIESEL EATX)	PCI BUS
14	T752 20DG/OR (DIESEL)	STARTER MOTOR RELAY CONTROL
14	T752 18DG/OR (GAS)	STARTER RELAY CONTROL
15	Z116 18BK/VT	GROUND
16	K51 20BR/WT (DIESEL)	ECM/PCM RELAY CONTROL
16	K51 18BR/WT (GAS)	ASD RELAY CONTROL
17	F202 20PK/GY	FUSED IGNITION SWITCH OUTPUT (RUN-START)
18	K173 18BR/VT (GAS)	RAD FAN RELAY CONTROL
19	K342 16BR/WT (DIESEL)	ECM/PCM RELAY OUTPUT
19	F202 20PK/GY (GAS)	FUSED IGNITION SWITCH OUTPUT (RUN-START)
20	A109 18OR/RD (GAS)	FUSED B(+)



**INTEGRATED
POWER
MODULE C3**

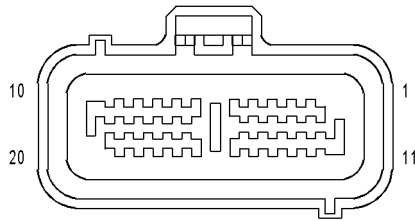
INTEGRATED POWER MODULE C6 - NATURAL 10 WAY

CAV	CIRCUIT	FUNCTION
1	A101 12VT/RD	FUSED B(+)
2	Z117 16BK/WT	GROUND
3	Z118 16BK/WT (LWB/EXPORT)	GROUND
3	Z118 16BK/YL (SWB/EXCEPT EXPORT)	GROUND
4	A110 12OR/RD (POWER SEAT)	FUSED B(+)
5	-	-
6	-	-
7	C7 12DB	FUSED FRONT BLOWER MOTOR RELAY OUTPUT
8	F307 18LB/PK (ACCESSORY RELAY POSITION)	FUSED ACCESSORY RELAY OUTPUT
8	F307 18LB/PK (BATTERY POSITION)	FUSED B(+)
9	A113 12WT/RD (POWER SLIDING DOOR)	FUSED B(+)
10	-	-

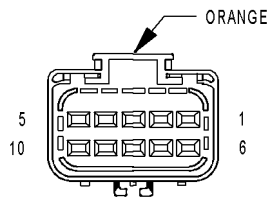


**INTEGRATED
POWER
MODULE C6**

CONNECTOR PINOUTS



**INTEGRATED
POWER
MODULE
C7**



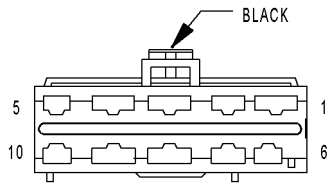
**INTEGRATED
POWER
MODULE C8**

INTEGRATED POWER MODULE C7 - 20 WAY

CAV	CIRCUIT	FUNCTION
1	C16 20DB/GY	FUSED DEFOGGER RELAY OUTPUT
2	T141 20YL/OR (DIESEL)	FUSED IGNITION SWITCH OUTPUT (START)
2	T751 20YL (GAS)	FUSED IGNITION SWITCH OUTPUT (START)
3	D25 20WT/VT	PCI BUS
4	L13 20WT/YL (EXPORT)	HEADLAMP ADJUST SIGNAL
5	K32 18DB/YL	BRAKE TRANSMISSION SHIFT INTERLOCK SOLENOID CONTROL
6	-	-
7	W7 20BR/GY	WIPER PARK SWITCH SENSE
8	B20 20DG/OR	BRAKE FLUID LEVEL SWITCH SENSE
9	F201 20PK/OR	ORC RUN-START DRIVER
10	-	-
11	A106 20LB/RD	FUSED B(+)
12	P201 20LG/DB (EXCEPT EXPORT/EXCEPT MEMORY)	ADJUSTABLE PEDALS RELAY CONTROL
13	F2 18PK/YL	FCM OUTPUT (UNLOCK-RUN-START)
14	-	-
15	A114 16GY/RD	FUSED B(+)(I.O.D.)
16	D123 20WT/BR	FLASH PROGRAM ENABLE
17	L50 18WT/TN (DIESEL)	PRIMARY BRAKE SWITCH SIGNAL
17	L50 18WT/TN (GAS)	BRAKE LAMP SWITCH OUTPUT
18	-	-
19	X3 20DG/VT	HORN SWITCH SENSE
20	F100 18PK/VT	ORC RUN ONLY DRIVER

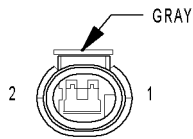
INTEGRATED POWER MODULE C8 - ORANGE 10 WAY

CAV	CIRCUIT	FUNCTION
1	W3 14BR/WT	FRONT WIPER HIGH/LOW RELAY LOW SPEED OUTPUT
2	N1 16DB/OR (DIESEL)	FUEL HEATER RELAY OUTPUT
2	N1 18DB/OR (GAS)	FUEL PUMP RELAY OUTPUT
3	A108 18LG/RD (EXCEPT EXPORT)	FUSED B(+)
3	A108 20LG/RD (EXPORT)	FUSED B(+)
3	A108 20LG/RD (EXPORT)	FUSED B(+)
4	A103 18GY/RD	FUSED B(+)
5	L77 18WT/BR	FUSED PARK LAMP RELAY OUTPUT (LEFT)
6	W4 14BR/OR	FRONT WIPER HIGH/LOW RELAY HIGH SPEED OUTPUT
7	C51 12LB/BR (3 ZONE HVAC)	FUSED REAR BLOWER MOTOR RELAY OUTPUT
8	-	-
9	L78 18WT/OR	FUSED PARK LAMP RELAY OUTPUT (RIGHT)
10	L60 18WT/TN	RIGHT FRONT TURN SIGNAL DRIVER



**INTEGRATED
POWER
MODULE C9**

INTEGRATED POWER MODULE C9 - BLACK 10 WAY		
CAV	CIRCUIT	FUNCTION
1	A116 14YL/RD (HIGHLINE AUDIO)	FUSED B(+)
2	F20 18PK/WT	FUSED IGNITION SWITCH OUTPUT (RUN-START)
3	C15 12DB/WT	FUSED DEFOGGER RELAY OUTPUT
4	A105 18DB/RD	FUSED B(+)
5	L61 20WT/LB	LEFT FRONT TURN SIGNAL DIVER
6	A701 18BR/RD	FUSED B(+)(HAZARD)
6	A701 16BR/RD	FUSED B(+)(HAZARD)
7	F306 16DB/PK	FUSED ACCESSORY RELAY OUTPUT
8	F30 12PK/YL (POWER WINDOWS)	FUSED ACCESSORY RELAY OUTPUT
9	A115 12YL/RD	FUSED B(+)
10	F302 18GY/PK	FUSED ACCESSORY RELAY OUTPUT

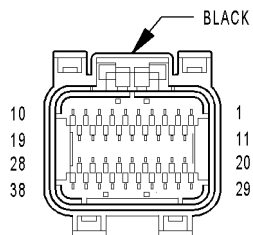


**OUTPUT
SPEED
SENSOR**

OUTPUT SPEED SENSOR - GRAY 2 WAY		
CAV	CIRCUIT	FUNCTION
1	T13 18DG/VT	SPEED SENSOR GROUND
2	T14 18DG/BR	OUTPUT SPEED SENSOR SIGNAL

CONNECTOR PINOUTS

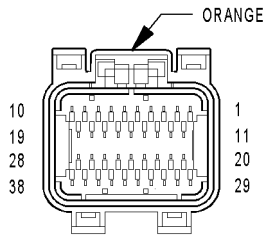
POWERTRAIN CONTROL MODULE C1 - BLACK 38 WAY



**POWERTRAIN
CONTROL
MODULE C1**

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	Z130 18BK/BR	GROUND
10	-	-
11	F202 20PK/GY	FUSED IGNITION SWITCH OUTPUT (RUN-START)
12	F1 18PK/WT (EATX)	FCM OUTPUT (UNLOCK-RUN-START)
13	N7 18DB/OR (MTX)	VEHICLE SPEED SENSOR SIGNAL
14	-	-
15	-	-
16	-	-
17	-	-
18	Z131 18BK/DG	GROUND
19	-	-
20	G6 16VT/GY	ENGINE OIL PRESSURE SENSOR SIGNAL
21	-	-
22	G31 18VT/LG	AAT SIGNAL
23	-	-
24	-	-
25	D20 20WT/LG	SCI RECEIVE (PCM)
26	D123 20WT/BR (2.4L EATX)	SCI RECEIVE (TCM)
26	D123 20WT/OR (3.3L/3.8L)	SCI RECEIVE (TCM)
27	-	-
28	-	-
29	A109 18OR/RD	FUSED B(+)
30	T751 18YL	FUSED IGNITION SWITCH OUTPUT (START)
31	K141 18DB/YL	O2 1/2 SIGNAL
32	K904 18DB/DG (2.4L)	O2 RETURN (DOWN)
32	K904 18BR/DG (3.3L/3.8L)	O2 RETURN (DOWN)
33	-	-
34	-	-
35	-	-
36	D21 20WT/DG (2.4L)	SCI TRANSMIT (PCM)
36	D21 20WT/BR (3.3L/3.8L)	SCI TRANSMIT (PCM)
37	D15 18DG/YL (EATX)	SCI TRANSMIT (TCM)
38	D25 18WT/VT	PCI BUS

POWERTRAIN CONTROL MODULE C2 - ORANGE 38 WAY

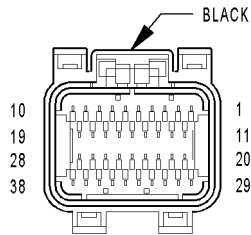


**POWERTRAIN
CONTROL
MODULE C2**

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	-	-
4	K58 16BR/VT (3.3L/3.8L)	INJECTOR CONTROL NO. 6
5	K38 16BR/OR (3.3L/3.8L)	INJECTOR CONTROL NO. 5
6	-	-
7	K18 16BR/OR (3.3L/3.8L)	COIL CONTROL NO. 3
8	K35 18DB/VT (3.3L)	EGR SOLENOID CONTROL
9	K17 16DB/TN	IGNITION COIL NO. 2 DRIVER
10	K19 16DB/DG	COIL CONTROL NO. 1
11	K14 16 BR/TN	INJECTOR CONTROL NO. 4
12	K13 16BR/LB	INJECTOR CONTROL NO. 3
13	K12 16BR/DB	INJECTOR CONTROL NO. 2
14	K11 16BR/YL	INJECTOR CONTROL NO. 1
15	-	-
16	-	-
17	-	-
18	K99 18BR/LG	O2 1/1 HEATER CONTROL
19	K20 18BR/GY	GEN FIELD CONTROL
20	K2 18VT/OR	ECT SIGNAL
21	K22 18BR/OR	TP SIGNAL
22	K34 18DB/LG (3.3L)	EGR SOLENOID SIGNAL
23	K1 18VT/BR	MAP SIGNAL
24	K942 18BR/LG (EXCEPT 3.3L)	KS RETURN
25	K42 18DB/YL (EXCEPT 3.3L)	KS SIGNAL
26	-	-
27	K900 18DB/DG	SENSOR GROUND
28	K961 18BR/VT	IAC RETURN
29	F855 20PK/YL	5 VOLT SUPPLY
30	K21 18DB/LG	IAT SIGNAL
31	K41 18DB/LB	O2 1/1 SIGNAL
32	K902 18BR/DG	O2 RETURN (UP)
33	-	-
34	K44 18DB/GY	CMP SIGNAL
35	K24 18BR/LB	CKP SIGNAL
36	-	-
37	-	-
38	K61 18VT/GY	IAC MOTOR CONTROL

CONNECTOR PINOUTS

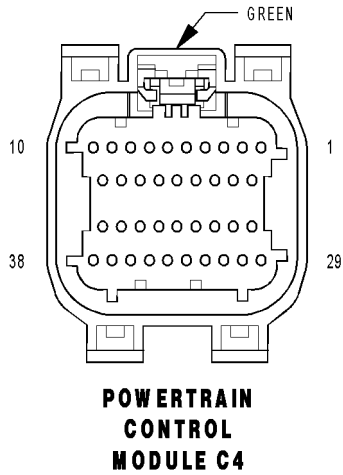
POWERTRAIN CONTROL MODULE C3 - NATURAL 38 WAY



**POWERTRAIN
CONTROL
MODULE C3**

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	K51 18BR/WT	ASD RELAY CONTROL
4	-	-
5	V35 18VT/OR	S/C VENT CONTROL
6	K173 18BR/VT	RAD FAN RELAY CONTROL
7	V32 18VT/YL	SPEED CONTROL SUPPLY
8	K106 20VT/LB (EXCEPT EXPORT)	NVLD SOL CONTROL
9	K299 18BR/WT	O2 1/2 HEATER CONTROL
10	-	-
11	C13 18LB/OR	A/C CLUTCH RELAY CONTROL
12	V36 18VT/YL	S/C VACUUM CONTROL
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	K342 16BR/WT	ASD RELAY OUTPUT
20	K52 18DB/WT	EVAP PURGE CONTROL
21	T141 18YL (MTX EXPORT)	FUSED IGNITION SWITCH OUTPUT (START)
22	-	-
23	B29 18DG/WT	BRAKE SWITCH SIGNAL
24	-	-
25	-	-
26	-	-
27	-	-
28	K342 16BR/WT	ASD RELAY OUTPUT
29	K70 18DB/BR	EVAP PURGE SIGNAL
30	-	-
31	C18 18LB/BR	A/C PRESSURE SIGNAL
32	K91 18DB/YL	BATTERY TEMP SIGNAL
33	-	-
34	V37 18VT	S/C SWITCH NO. 1 SIGNAL
35	K107 20VT/WT (EXCEPT EXPORT)	NVLD SWITCH SIGNAL
36	-	-
37	K31 18BR	FUEL PUMP RELAY CONTROL
38	T752 18DG/OR	STARTER RELAY CONTROL

POWERTRAIN CONTROL MODULE C4 - GREEN 38 WAY

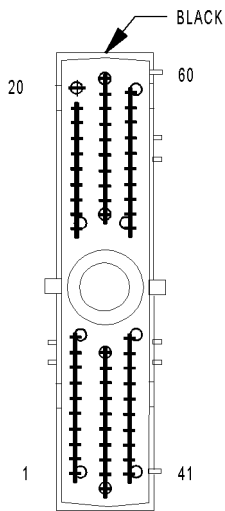


CAV	CIRCUIT	FUNCTION
1	T60 18YL/GY	OVERDRIVE SOLENOID CONTROL
2	T59 18DB/LB	UNDERDRIVE SOLENOID CONTROL
3	-	-
4	-	-
5	-	-
6	T19 18YL/DB	2-4 SOLENOID CONTROL
7	-	-
8	-	-
9	-	-
10	T20 18DG/WT	LOW/REVERSE SOLENOID CONTROL
11	-	-
12	-	-
13	Z133 16BK/LG	GROUND
14	Z133 16BK/LG	GROUND
15	T1 18DG/LB	TRS T1 SENSE
16	T3 18DG/DB	TRS T3 SENSE
17	-	-
18	T15 18YL/BR	TRANSMISSION CONTROL RELAY CONTROL
19	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
20	-	-
21	-	-
22	T9 18DG/TN	OVERDRIVE PRESSURE SWITCH SENSE
23	-	-
24	-	-
25	-	-
26	-	-
27	T41 18DG/GY	TRS T41 SENSE
28	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
29	T50 18YL/TN	LOW/REVERSE PRESSURE SWITCH SENSE
30	T47 18YL/DG	2-4 PRESSURE SWITCH SENSE
31	-	-
32	T14 18DG/BR	OUTPUT SPEED SENSOR SIGNAL
33	T52 18DG/WT	INPUT SPEED SENSOR SIGNAL
34	T13 18DG/VT	SPEED SENSOR GROUND
35	T54 18DG/OR	TRANSMISSION TEMPERATURE SENSOR SIGNAL
36	-	-
37	T42 18DG/YL	TRS T42 SENSE
38	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT

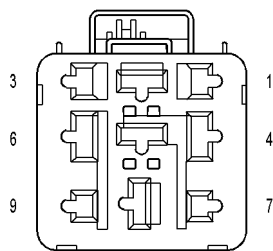
CONNECTOR PINOUTS

TRANSMISSION CONTROL MODULE (DIESEL) - BLACK

CAV	CIRCUIT	FUNCTION
1	T1 18DG/LB	TRS T1 SENSE
2	-	-
3	T3 18DG/DB	TRS T3 SENSE
4	-	-
5	-	-
6	K24 20BR/LB	CRANKSHAFT POSITION SENSOR SIGNAL NO.2
7	D15 20DG/YL	SCI TRANSMIT (TCM)
8	T751 20YL	FUSED IGNITION SWITCH OUTPUT (START)
9	T9 18DG/TN	OVERDRIVE PRESSURE SWITCH SENSE
10	T10 20DG/LG	TORQUE MANAGEMENT REQUEST SENSE
11	F1 18PK/WT	FCM OUTPUT (UNLOCK-RUN-START)
12	K23 20BR/OR	ACCELERATOR PEDAL POSITION SENSOR SIGNAL NO.2
13	T13 18DG/VT	SPEED SENSOR GROUND
14	T14 18DG/BR	OUTPUT SPEED SENSOR SIGNAL
15	T15 18YL/BR	TRANSMISSION CONTROL RELAY CONTROL
16	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
17	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
18	-	-
19	T19 18YL/DB	2-4 SOLENOID CONTROL
20	T20 18DG/WT	L/R SOLENOID CONTROL
21	-	-
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-
32	-	-
33	-	-
34	-	-
35	-	-
36	-	-
37	-	-
38	-	-
39	-	-
40	-	-
41	T41 18DG/GY	TRS T41 SENSE
42	T42 18DG/YL	TRS T42 SENSE
43	D25 18WT/VT	PCI BUS
44	-	-
45	-	-
46	D123 20WT/OR	SCI RECIEVE (TCM)
47	T47 18YL/DG	2-4 PRESSURE SWITCH SENSE
48	-	-
49	-	-
50	T50 18YL/TN	LOW/REVERSE PRESSURE SWITCH SENSE
51	K900 20DB/DG	SENSOR GROUND
52	T52 18DG/WT	INPUT SPEED SENSOR SIGNAL
53	Z132 16BK/YL	GROUND
54	T54 18DG/OR	TRANSMISSION TEMPERATURE SENSOR SIGNAL
55	-	-
56	A104 18YL/RD	FUSED B(+)
57	Z133 16BK/LG	GROUND
58	N7 20DB/OR	VEHICLE SPEED SENSOR SIGNAL
59	T59 18YL/LB	UNDERDRIVE SOLENOID CONTROL
60	T60 18YL/GY	OVERDRIVE SOLENOID CONTROL

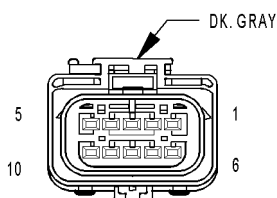


**TRANSMISSION
CONTROL
MODULE
(DIESEL)**



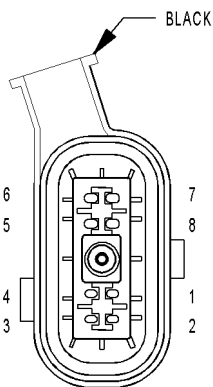
TRANSMISSION CONTROL RELAY (DIESEL)

TRANSMISSION CONTROL RELAY (DIESEL) - 9 WAY		
CAV	CIRCUIT	FUNCTION
1	-	-
2	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
3	-	-
4	T15 18YL/BR	TRANSMISSION CONTROL RELAY CONTROL
5	-	-
6	Z115 18BK/OR	GROUND
7	-	-
8	A104 18YL/RD	FUSED B(+)
9	-	-



TRANSMISSION RANGE SENSOR

TRANSMISSION RANGE SENSOR - DK. GRAY 10 WAY		
CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	T13 18DG/VT	SPEED SENSOR GROUND
4	T54 18DG/OR	TRANSMISSION TEMPERATURE SENSOR SIGNAL
5	T41 18DG/GY (DIESEL)	TRS T41 SENSE
6	-	-
7	T1 18DG/LB	TRS T1 SENSE
8	T3 18DG/DB	TRS T3 SENSE
9	T42 18DG/YL	TRS T42 SENSE
10	T41 20DG/GY (DIESEL)	TRS T41 SENSE
10	T41 18DG/GY (GAS)	TRS T41 SENSE



TRANSMISSION SOLENOID/PRESSURE SWITCH ASSEMBLY

TRANSMISSION SOLENOID/PRESSURE SWITCH ASSEMBLY - BLACK 8 WAY		
CAV	CIRCUIT	FUNCTION
1	T47 18YL/DG	2-4 PRESSURE SWITCH SENSE
2	T50 18YL/TN	LOW/REVERSE PRESSURE SWITCH SENSE
3	T9 18DG/TN	OVERDRIVE PRESSURE SWITCH SENSE
4	T16 18YL/OR	TRANSMISSION CONTROL RELAY OUTPUT
5	T59 18DB/LB	UNDERDRIVE SOLENOID CONTROL
6	T60 18YL/GY	OVERDRIVE SOLENOID CONTROL
7	T20 18DG/WT	LOW/REVERSE SOLENOID CONTROL
8	T19 18YL/DB	2-4 SOLENOID CONTROL

